

Articles indexats publicats per investigadors del Campus Terrassa: 2011



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Campus de Terrassa



INTRODUCCIÓ

Aquesta pàgina recull els [209 treballs publicats](#) per [198 investigadors/es](#) del Campus de Terrassa en revistes indexades al Journal Citation Report durant el 2011 ([nota metodològica](#)).

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Factor impacte 2011 = 1.902
2. [Adrados, B.; Julian, E.; Codony, F.; Torrents, E.; Luquin, M.; Morato, J. Prevalence and Concentration of Non-Tuberculous Mycobacteria in Cooling Towers by Means of Quantitative PCR: A Prospective Study.](#) *Current Microbiology*, JAN, 2011, vol. 62, no. 1, pp. 313-319. ISSN 0343-8651.
Factor impacte 2011 = 1.815
3. [Alba-Bueno, F.; Millan, M.S. Defocus Correction in the Optical System of the Eye: Unconventional Degrees of Freedom.](#) *Journal of Biomedical Optics*, JAN, 2011, vol. 16, no. 1, pp. 016010. ISSN 1083-3668.
Factor impacte 2011 = 3.157
4. [Albareda-Sambola, M.; Fernández-Aréizaga, E.; Saldanha-da-Gama, F. The Facility Location Problem with Bernoulli Demands.](#) *Omega-International Journal of Management Science*, JUN, 2011, vol. 39, no. 3, pp. 335-345. ISSN 0305-0483.
Factor impacte 2011 = 3.338
5. [Alonso, A.; Vignes, N.; Munoz-Berbel, X.; Macanas, J.; Munoz, M.; Mas, J.; Muraviev, D.N. Environmentally-Safe Bimetallic Ag@Co Magnetic Nanocomposites with Antimicrobial Activity.](#) *Chemical Communications*, 2011, vol. 47, no. 37, pp. 10464-10466. ISSN 1359-7345.
Factor impacte 2011 = 6.169
6. [Amante, B.; Gonçalves, M.; Olle, T.. Life Cycle Assesment \(LCA\) Study of a Vehicle Wiring.](#) *Afinidad*, SEP-OCT, 2011, vol. 68, no. 555, pp. 327-333. ISSN 0001-9704.
Factor impacte 2011 = 0.138
7. [Andreu, G.; Vidal, T. Effects of Laccase-Natural Mediator Systems on Kenaf Pulp.](#) *Bioresource Technology*, MAY, 2011, vol. 102, no. 10, pp. 5932-5937. ISSN 0960-8524.
Factor impacte 2011 = 4.980
8. [Antunes, M.; Cano, A.; Haurie, L.; Velasco, J.I. Esparto Wool as Reinforcement in Hybrid Polyurethane Composite Foams RID C-5732-2011.](#) *Industrial Crops and Products*, NOV, 2011, vol. 34, no. 3, pp. 1641-1648. ISSN 0926-6690.
Factor impacte 2011 = 2.469
9. [Antunes, M.; Mudarra, M.; Velasco, J.I. Broad-Band Electrical Conductivity of Carbon Nanofibre-Reinforced Polypropylene Foams.](#) *Carbon*, FEB, 2011, vol. 49, no. 2, pp. 708-717. ISSN 0008-6223.
Factor impacte 2011 = 5.378
10. [Antunes, M.; Realinho, V.; Ardanuy, M.; MasPOCH, M.L.; Velasco, J.I. Mechanical Properties and Morphology of Multifunctional Polypropylene Foams.](#) *Cellular Polymers*, 2011, vol. 30, no. 4, pp. 187-200. ISSN 0262-4893.
Factor impacte 2011 = 0.355
11. [Antunes, M.; Velasco, J.I.; Haurie, L. Characterization of Highly Filled Magnesium Hydroxide-Polypropylene Composite Foams.](#) *Journal of Cellular Plastics*, JAN, 2011, vol. 47, no. 1, pp. 17-30. ISSN 0021-955X.
Factor impacte 2011 = 0.776
12. [Aracri, E.; Roncero, M.B.; Vidal, T. Studying the Effects of Laccase-Catalysed Grafting of Ferulic Acid on Sisal Pulp Fibers.](#) *Bioresource Technology*, AUG, 2011, vol. 102, no. 16, pp. 7555-7560. ISSN 0960-8524.
Factor impacte 2011 = 4.980
13. [Aracri, E.; Vidal, T. Xylanase- and Laccase-Aided Hexenuronic Acids and Lignin Removal from Specialty Sisal Fibres.](#) *Carbohydrate Polymers*, JAN 30, 2011, vol. 83, no. 3, pp. 1355-1362. ISSN 0144-8617.
Factor impacte 2011 = 3.628



14. [Aracri, E.; Vidal, T.; Ragauskas, A.T. Wet Strength Development in Sisal Cellulose Fibers by Effect of a Laccase-TEMPO Treatment.](#) *Carbohydrate Polymers*, APR 2, 2011, vol. 84, no. 4, pp. 1384-1390. ISSN 0144-8617
Factor impacte 2011 = 3.628
15. [Ardanuy, M.; Claramunt, J.; Garcia-Hortal, J.A.; Barra, M. Fiber-Matrix Interactions in Cement Mortar Composites Reinforced with Cellulosic Fibers.](#) *Cellulose*, APR, 2011, vol. 18, no. 2, pp. 281-289. ISSN 0969-0239.
Factor impacte 2011 = 3.600
16. [Ardanuy, M.; Rodriguez-Perez, M.A.; Algaba, I. Electrical Conductivity and Mechanical Properties of Vapor-Grown Carbon nanofibers/trifunctional Epoxy Composites Prepared by Direct Mixing.](#) *Composites Part B-Engineering*, JUN, 2011, vol. 42, no. 4, pp. 675-681. ISSN 1359-8368.
Factor impacte 2011 = 1.731
17. [Ardanuy, M.; Velasco, J.I. Mg-Al Layered Double Hydroxide Nanoparticles Evaluation of the Thermal Stability in Polypropylene Matrix.](#) *Applied Clay Science*, FEB, 2011, vol. 51, no. 3, pp. 341-347. ISSN 0169-1317.
Factor impacte 2011 = 2.474
18. [Ares-Peon, I.A.; Vila, C.; Garrote, G.; Parajo J.C. Enzymatic Hydrolysis of Autohydrolyzed Barley Husks.](#) *Journal of Chemical Technology and Biotechnology*, FEB, 2011, vol. 86, no. 2, pp. 251-260. ISSN 0268-2575.
Factor impacte 2011 = 2.168
19. [Aurrekoetxea, J.; Zurbitu, J.; Ortiz, I.; Agirregomezkorta, A.; Sanchez-Soto, M.; Sarrionandia, M. Effect of Superelastic Shape Memory Alloy Wires on the Impact Behavior of Carbon Fiber Reinforced in Situ Polymerized Poly\(Butylene Terephthalate\) Composites.](#) *Materials Letters*, MAR 15, 2011, vol. 65, no. 5, pp. 863-865. ISSN 0167-577X.
Factor impacte 2011 = 2.307
20. [Balastegui, A.; Canal, R.; Ruiz-Lapuente, P. Estimating the Rate and Luminosity Function of all Classes of GRBs.](#) *Astronomy Reports*, OCT, 2011, vol. 55, no. 10, pp. 867-877. ISSN 1063-7729.
Factor impacte 2011 = 0.725
21. [Barneto, A.G.; Valls, C.; Ariza, J.; Roncero, M.B. Thermogravimetry Study of Xylanase- and laccase/mediator-Treated Eucalyptus Pulp Fibres.](#) *Bioresource Technology*, OCT, 2011, vol. 102, no. 19, pp. 9033-9039. ISSN 0960-8524.
Factor impacte 2011 = 4.980
22. [Barneto, A.G.; Vila, C.; Ariza, J. Eucalyptus Kraft Pulp Production: Thermogravimetry Monitoring.](#) *Thermochimica Acta*, JUN 10, 2011, vol. 520, no. 1-2, pp. 110-120. ISSN 0040-6031.
Factor impacte 2011 = 1.805
23. [Barreiro, M.; Marti, A.C.; Masoller, C. Inferring Long Memory Processes in the Climate Network Via Ordinal Pattern Analysis.](#) *Chaos*, MAR, 2011, vol. 21, no. 1, pp. 013101. ISSN 1054-1500
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24. [Bech, J.; Pineda, N.I.; Rigo, T.; Aran, M.; Amaro, J.; Gaya, M.; Arus, J.; Montanya, J.; Van der Velde, O. A Mediterranean Nocturnal Heavy Rainfall and Tornadic Event. Part I: Overview, Damage Survey and Radar Analysis.](#) *Atmospheric Research*, JUN, 2011, vol. 100, no. 4, pp. 621-637. ISSN 0169-8095.
Factor impacte 2011 = 1.911
25. [Belana, J.; Diego, J.A.; Orrit, J.; Tamayo, I.; Mudarra, M. Study of an Initial Transient Relaxation in XLPE Cable Insulation by TSDC and PEA.](#) *IEEE Transactions on Dielectrics and Electrical Insulation*, DEC, 2011, vol. 18, no. 6, pp. 2074-2082. ISSN 1070-9878.
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26. [Berbel, N.; Fernandez-Garcia, R.; Gil, I.; Li, B.; Boyer, A.; BenDhia, S. Experimental Verification of the Usefulness of the Nth Power Law MOSFET Model Under Hot Carrier Wearout.](#) *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1564-1567. ISSN 0026-2714.
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27. [Betancur, R.; Maymo, M.; Elias, X.; Vuong, L.T.; Martorell, J. Sputtered NiO as Electron Blocking Layer in P3HT:PCBM Solar Cells Fabricated in Ambient Air.](#) *Solar Energy Materials and Solar Cells*, FEB, 2011, vol. 95, no. 2, pp. 735-739. ISSN 0927-0248.
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28. Blesa, J.; Puig, V.; [Saludes, J.](#) [Identification for Passive Robust Fault Detection using Zonotope-Based Set-Membership Approaches](#). *International Journal of Adaptive Control and Signal Processing*, SEP, 2011, vol. 25, no. 9, pp. 788-812. ISSN 0890-6327.
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29. [Bonatto, C.](#); Feyereisen, M.; Barland, S.; Giudici, M.; [Masoller, C.](#); Rios, J.R.; Tredicce, J.R. [Deterministic Optical Rogue Waves](#). *Physical Review Letters*, JUL 29, 2011, vol. 107, no. 5, pp. 053901. ISSN 0031-9007.
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30. Borrell, R.; [Lehmkuhl, O.](#); [Trias, F.X.](#); [Oliva, A.](#) [Parallel Direct Poisson Solver for Discretisations with One Fourier Diagonalisable Direction](#). *Journal of Computational Physics*, JUN 1, 2011, vol. 230, no. 12, pp. 4723-4741. ISSN 0021-9991.
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31. [Borroto-Escuela, D.O.](#); Correia, P.A.; Romero-Fernandez, W.; Narvaez, M.; Fuxe, K.; Ciruela, F.; [Garriga, P.](#) [Muscarinic Receptor Family Interacting Proteins: Role in Receptor Function](#). *Journal of Neuroscience Methods*, FEB 15, 2011, vol. 195, no. 2, pp. 161-169. ISSN 0165-0270.
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32. [Borroto-Escuela, D.O.](#); Romero-Fernandez, W.; Garcia-Negredo, G.; Correia, P.A.; [Garriga, P.](#); Fuxe, K.; Ciruela, F. [Dissecting the Conserved NPxxY Motif of the M-3 Muscarinic Acetylcholine Receptor: Critical Role of Asp-7.49 for Receptor Signaling and Multiprotein Complex Formation](#). *Cellular Physiology and Biochemistry*, 2011, vol. 28, no. 5, pp. 1009-1022. ISSN 1015-8987.
Factor impacte 2011 = 2.857
33. Bosch-Presegue, L.; Iarriccio, L.; Aguila, M.; Toledo, D.; [Ramon, E.](#); Cordomi, A.; [Garriga, P.](#) [Hydrophobic Amino Acids at the Cytoplasmic Ends of Helices 3 and 6 of Rhodopsin Conjointly Modulate Transducin Activation](#). *Archives of Biochemistry and Biophysics*, FEB 15, 2011, vol. 506, no. 2, pp. 142-149. ISSN 0003-9861.
Factor impacte 2011 = 2.935
34. Bosch-Presegue, L.; [Ramon, E.](#); Toledo, D.; Cordomi, A.; [Garriga, P.](#) [Alterations in the Photoactivation Pathway of Rhodopsin Mutants Associated with Retinitis Pigmentosa](#). *Febs Journal*, MAY, 2011, vol. 278, no. 9, pp. 1493-1505. ISSN 1742-464X
Factor impacte 2011 = 3.790
35. Busca, C.; Teodorescu, R.; Blaabjerg, F.; Munk-Nielsen, S.; Helle, L.; Abeyasekera, T.; [Rodriguez, P.](#) [An Overview of the Reliability Prediction Related Aspects of High Power IGBTs in Wind Power Applications](#). *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1903-1907. ISSN 0026-2714.
Factor impacte 2011 = 1.167
36. [Cadena, E.M.](#); Du, X.; Gellerstedt, G.; Li, J.; [Fillat, A.](#); [Garcia-Ubasart, J.](#); [Vidal, T.](#); [Colom, J.F.](#) [On Hexenuronic Acid \(HexA\) Removal and Mediator Coupling to Pulp Fiber in the laccase/mediator Treatment](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 4, pp. 3911-3917. ISSN 0960-8524.
Factor impacte 2011 = 4.980
37. Calleja, A.; Granados, X.; Ricart, S.; Oro, J.; Arbiol, J.; Mestres, N.; Carrillo, A.E.; Palmer, X.; [Cano, F.](#); [Tornero, J.A.](#); Puig, T.; Obradors, X. [High Temperature Transformation of Electrospun BaZrO₃ Nanotubes into Nanoparticle Chains](#). *Crystengcomm*, 2011, vol. 13, no. 24, pp. 7224-7230. ISSN 1466-8033.
Factor impacte 2011 = 3.842
38. [Canavate, J.](#); Casas, P.; [Colom, X.](#); Jeanbon, M.; [Nogues, F.](#); [Carrillo, F.](#) [Effect of Devulcanized Pretreatments and Additives Composite Materials with HDPR Matrix and used Tires](#). *Afinidad*, JAN-FEB, 2011, vol. 68, no. 551, pp. 25-32. ISSN 0001-9704.
Factor impacte 2011 = 0.138
39. [Canavate, J.](#); Casas, P.; [Colom, X.](#); [Nogues, F.](#) [Formulations for Thermoplastic Vulcanizates Based on High Density Polyethylene, Ethylene-Propylene-Diene Monomer, and Ground Tyre Rubber](#). *Journal of Composite Materials*, JUN, 2011, vol. 45, no. 11, pp. 1189-1200. ISSN 0021-9983.
Factor impacte 2011 = 1.068



40. [Cante, J.C.; Riera, M.D.; Oliver, J.; Prado, J.M.; Isturiz, A.; Gonzalez, C. Flow Regime Analyses during the Filling Stage in Powder Metallurgy Processes: Experimental Study and Numerical Modelling.](#) *Granular Matter*, FEB, 2011, vol. 13, no. 1, pp. 79-92. ISSN 1434-7636.
Factor impacte 2011 = 1.755
41. [Cardona, G.; Garcia, C.; Seres, C.; Vilaseca, M.; Gispets, J. Blink Rate, Blink Amplitude, and Tear Film Integrity during Dynamic Visual Display Terminal Tasks.](#) *Current Eye Research*, MAR, 2011, vol. 36, no. 3, pp. 190-197. ISSN 0271-3683.
Factor impacte 2011 = 1.280
42. [Cardona, G.; Isern, R. Topography-Based Rigid Gas Permeable Lens Fitting in Normal Corneas: The Relevance of Eyelid and Tear Film Attributes.](#) *Eye & Contact Lens-Science and Clinical Practice*, NOV, 2011, vol. 37, no. 6, pp. 359-364. ISSN 1542-2321.
Factor impacte 2011 = 1.252
43. [Cardona, G.; Seres, C.; Quevedo, L.; Auge, M. Knowledge and use of Tear Film Evaluation Tests by Spanish Practitioners.](#) *Optometry and Vision Science*, SEP, 2011, vol. 88, no. 9, pp. 1106-1111. ISSN 1040-5488.
Factor impacte 2011 = 2.108
44. [Carrera-Gallissa, E.; Capdevila, X. Textile-Related Research in Spain: A Case Study Applying Micro Bibliometric Indicators.](#) *Revista Espanola De Documentacion Cientifica*, 2011, vol. 34, no. 4, pp. 581-596. ISSN 0210-0614.
Factor impacte 2011 = 0.574
45. [Carreras, F.; Gimenez, J.M. Power and Potential Maps Induced by any Semivalve: Some Algebraic Properties and Computation by Multilinear Extensions.](#) *European Journal of Operational Research*, MAY 16, 2011, vol. 211, no. 1, pp. 148-159. ISSN 0377-2217.
Factor impacte 2011 = 1.815
46. [Carrillo, F.; Martin, G.; Lopez-Mesas, M.; Colom, X.; Canavate, J. High Modulus Regenerated Cellulose Fiber-Reinforced Cellulose Acetate Butyrate Biocomposites.](#) *Journal of Composite Materials*, AUG, 2011, vol. 45, no. 17, pp. 1733-1740. ISSN 0021-9983.
Factor impacte 2011 = 1.068
47. [Ceballos, S.; Pou, J.; Zaragoza, J.; Robles, E.; Villate, J.L.; Martin, J.L. Fault-Tolerant Neutral-Point-Clamped Converter Solutions Based on Including a Fourth Resonant Leg.](#) *IEEE Transactions on Industrial Electronics*, JUN, 2011, vol. 58, no. 6, pp. 2293-2303. ISSN 0278-0046.
Factor impacte 2011 = 5.160
48. [Cembrano, G.; Quevedo, J.; Puig, V.; Perez, R.; Figueras, J.; Verdejo, J.M.; Escaler, I.; Ramon, G.; Barnet, G.; Rodriguez, P.; Casas, M. PLIO: A Generic Tool for Real-Time Operational Predictive Optimal Control of Water Networks.](#) *Water Science and Technology*, 2011, vol. 64, no. 2, pp. 448-459. ISSN 0273-1223.
Factor impacte 2011 = 1.122
49. [Claramunt, J.; Ardanuy, M.; Garcia-Hortal, J.A.; Toledo, R.D. The Hornification of Vegetable Fibers to Improve the Durability of Cement Mortar Composites.](#) *Cement & Concrete Composites*, MAY, 2011, vol. 33, no. 5, pp. 586-595. ISSN 0958-9465.
Factor impacte 2011 = 2.421
50. [Corcoles, F.; Bogarra, S.; Pedra, J.; Luna, A. Discrete Fault-Clearing Instant Influence on the Simulation of Voltage-Source-Inverter-Fed Adjustable-Speed Drives Subjected to Voltage Sags.](#) *IET Electric Power Applications*, MAY, 2011, vol. 5, no. 5, pp. 465-477. ISSN 1751-8660.
Factor impacte 2011 = 1.173
51. [Cordsen, P.; Pigolotti, S.; Jensen, M.H. Ecological Oscillations Induced by a Shared Predator and the "Winner Peaks First" Rule.](#) *Physical Review E*, SEP 16, 2011, vol. 84, no. 3, pp. 031915. ISSN 1539-3755.
Factor impacte 2011 = 2.255
52. [Cusido, J.; Romeral, L.; Ortega, J.A.; Garcia Espinosa, A.; Riba, J.R. Signal Injection as a Fault Detection Technique.](#) *Sensors*, MAR, 2011, vol. 11, no. 3, pp. 3356-3380. ISSN 1424-8220
Factor impacte 2011 = 1.739



53. Damle, R.; [Rigola, J.](#); [Perez-Segarra, C.D.](#); [Castro, J.](#); [Oliva, A.](#) [Object-Oriented Simulation of Reciprocating Compressors: Numerical Verification and Experimental Comparison](#). *International Journal of Refrigeration-Revue Internationale Du Froid*, DEC, 2011, vol. 34, no. 8, pp. 1989-1998. ISSN 0140-7007.
Factor impacte 2011 = 1.817
54. De Lasarte, M.; [Arjona, M.](#); [Vilaseca-Ricart, M.](#); Martinez-Verdu, F.M.; [Pujol, J.](#) [Luminance Adaptation Model for Increasing the Dynamic Range of an Imaging System Based on a CCD Camera](#). *Optik*, 2011, vol. 122, no. 15, pp. 1367-1372. ISSN 0030-4026.
Factor impacte 2011 = 0.510
55. [De Lira, S.](#); [Puig, V.](#); [Quevedo, J.](#); Husar, A. [LPV Observer Design for PEM Fuel Cell System: Application to Fault Detection](#). *Journal of Power Sources*, MAY 1, 2011, vol. 196, no. 9, pp. 4298-4305. ISSN 0378-7753
Factor impacte 2011 = 4.951
56. [Delgado, M.](#); [Garcia Espinosa, A.](#); [Riba, J.R.](#); [Urresty, J.C.](#); [Ortega, J.A.](#) [Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension](#). *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1594-1605. ISSN 0278-0046
Factor impacte 2011 = 5.160
57. Diaz, J.A.; Blazejewski, N.; [Fernandez-Dorado, J.](#); [Arasa, J.](#); Sorroche, F.; [Pizarro, C.](#) [Analysis of the Robustness of the Lens GRIN Profile in a Schematic Model Eye](#). *Journal of Modern Optics*, 2011, vol. 58, no. 19-20, pp. 1764-1769. ISSN 0950-0340.
Factor impacte 2011 = 1.170
58. Diaz-Gonzalez, M.; [Vidal, T.](#); [Tzanov, T.](#) [Phenolic Compounds as Enhancers in Enzymatic and Electrochemical Oxidation of Veratryl Alcohol and Lignins](#). *Applied Microbiology and Biotechnology*, MAR, 2011, vol. 89, no. 6, pp. 1693-1700. ISSN 0175-7598
Factor impacte 2011 = 3.425
59. [Diego, J.A.](#); [Belana, J.](#); [Orrit, J.](#); [Canadas, J.C.](#); [Mudarra, M.](#); Frutos, F.; Acedo, M. [Annealing Effect on the Conductivity of XLPE Insulation in Power Cable](#). *IEEE Transactions on Dielectrics and Electrical Insulation*, OCT, 2011, vol. 18, no. 5, pp. 1554-1561. ISSN 1070-9878.
Factor impacte 2011 = 1.094
60. Domenech, B.; Munoz, M.; Muraviev, D.N.; [Macanas, J.](#) [Polymer-Stabilized Palladium Nanoparticles for Catalytic Membranes: Ad Hoc Polymer Fabrication](#). *Nanoscale Research Letters*, JUN 1, 2011, vol. 6, pp. 406. ISSN 1931-7573.
Factor impacte 2011 = 2.726
61. Dominguez-Juarez, J.L.; Kozyreff, G.; [Martorell, J.](#) [Whispering Gallery Microresonators for Second Harmonic Light Generation from a Low Number of Small Molecules](#). *Nature Communications*, 2011, MAR, vol. 2, pp. 254 ISSN 2041-1723.
Factor impacte 2011 = 7.396
62. Egorov, O.A.; Iliev, R.; Etrich, C.; [Staliunas, K.](#); Lederer, F. [Spatial Optical Solitons in Microstructured Cavities](#). *Applied Physics B-Lasers and Optics*, SEP, 2011, vol. 104, no. 3, pp. 537-546. ISSN 0946-2171.
Factor impacte 2011 = 2.189
63. Erturk, N.; Vernet, A.; [Castilla, R.](#); [Gamez-Montero, P.J.](#); Ferre, J.A. [Experimental Analysis of the Flow Dynamics in the Suction Chamber of an External Gear Pump](#). *International Journal of Mechanical Sciences*, FEB, 2011, vol. 53, no. 2, pp. 135-144. ISSN 0020-7403.
Factor impacte 2011 = 1.231
64. [Espina, J.](#); [Balcells, J.](#); [Arias, A.](#); Ortega, C. [EMI Modeling Method of AC-AC Power Converters](#). *IEICE Electronics Express*, JAN 10, 2011, vol. 8, no. 1, pp. 13-19. ISSN 1349-2543.
Factor impacte 2011 = 0.461
65. Esser, G.; Becken, W.; Mueller, W.; Baumbach, P.; [Arasa, J.](#); Uttenweiler, D. [Derivation of the Propagation Equations for Higher Order Aberrations of Local Wavefronts](#). *Journal of the Optical Society of America A-Optics Image Science and Vision*, DEC, 2011, vol. 28, no. 12, pp. 2442-2458 ISSN 1084-7529.
Factor impacte 2011 = 1.562



66. Etrich, C.; Iliew, R.; [Staliunas, K.](#); Lederer, F.; Egorov, O.A. [Ab Initio Dissipative Solitons in an all-Photonic Crystal Resonator](#). *Physical Review A*, AUG 25, 2011, vol. 84, no. 2, pp. 021808. ISSN 1050-2947.
Factor impacte 2011 = 2.878
67. Fernandes, M.M.; Gomes, A.C.; Vasconcelos, A.; Munteanu, F.D.; [Tzanov, T.](#); Goncalves, M.S.T.; End, N.; Schoening, K.U.; Guebitz, G.M.; Cavaco-Paulo, A. [Protein Disulphide Isomerase-Assisted Functionalization of Keratin-Based Matrices](#). *Applied Microbiology and Biotechnology*, MAY, 2011, vol. 90, no. 4, pp. 1311-1321. ISSN 0175-7598.
Factor impacte 2011 = 3.425
68. Fernandez, H.D.; Munoz, J.E.; [Quintanilla, R.](#) [On the Rate of Decay in Interacting Continua with Memory](#) [RID D-9439-2011](#). *Journal of Differential Equations*, DEC 15, 2011, vol. 251, no. 12, pp. 3583-3605. ISSN 0022-0396.
Factor impacte 2011 = 1.277
69. [Fernandez, V.](#); [Simo, P.](#); [Algaba, I.](#); [Albareda-Sambola, M.](#); [Salan, N.](#); [Amante, B.](#); [Enache, M.](#); [Bravo, E.R.](#); [Sune, A.](#); [Garcia-Alminana, D.](#); [Rajadell, M.](#); [Garriga, F.](#) ['Low-Cost Educational Videos' for Engineering Students: A New Concept Based on Video Streaming and YouTube Channels](#). *International Journal of Engineering Education*, 2011, vol. 27, no. 3, pp. 518-527 ISSN 0949-149X.
Factor impacte 2011 = 0.418
70. [Fernandez-Garcia, R.](#); [Gil, I.](#); Boyer, A.; Bendhia, S.; Vrignon, B. [A New Approach to Modeling the Impact of EMI on MOSFET DC Behavior](#). *IEICE Transactions on Electronics*, DEC, 2011, vol. E94C, no. 12, pp. 1906-1908 ISSN 0916-8524.
Factor impacte 2011 = 0.400
71. [Fillat, A.](#); [Roncero, M.B.](#); [Vidal, T.](#) [Assessing the use of Xylanase and Laccases in Biobleaching Stages of a TCF Sequence for Flax Pulp](#). *Journal of Chemical Technology and Biotechnology*, DEC, 2011, vol. 86, no. 12, pp. 1501-1507. ISSN 0268-2575.
Factor impacte 2011 = 2.168
72. [Fittipaldi, M.](#); [Codony, F.](#); [Adrados, B.](#); Camper, A.K.; [Morato, J.](#) [Viable Real-Time PCR in Environmental Samples: Can all Data be Interpreted Directly?](#). *Microbial Ecology*, JAN, 2011, vol. 61, no. 1, pp. 7-12. ISSN 0095-3628.
Factor impacte 2011 = 2.912
73. [Fittipaldi, M.](#); Pino, N.J.; [Adrados, B.](#); [Agusti, G.](#); Penuela, G.; [Morato, J.](#); [Codony, F.](#) [Discrimination of Viable Acanthamoeba Castellani Trophozoites and Cysts by Propidium Monoazide Real-Time Polymerase Chain Reaction](#). *Journal of Eukaryotic Microbiology*, JUL-AUG, 2011, vol. 58, no. 4, pp. 359-364. ISSN 1066-5234.
Factor impacte 2011 = 2.659
74. [Forcada, N.](#); [Casals-Casanova, M.](#); [Roca, X.](#); [Gangoilells, M.](#); [Fuentes, A.](#) [Improving Design Competences: Experiences in Group-Based Learning Based on ICTs in a Blended Learning Environment](#). *International Journal of Engineering Education*, 2011, vol. 27, no. 2, pp. 292-302 ISSN 0949-149X.
Factor impacte 2011 = 0.418
75. Fortuny, J.; [Marce-Nogue, J.](#); De Esteban-Trivigno, S.; [Gil, L.](#); Galobart, A. [Temnospondyli Bite Club: Ecomorphological Patterns of the most Diverse Group of Early Tetrapods](#). *Journal of Evolutionary Biology*, SEP, 2011, vol. 24, no. 9, pp. 2040-2054. ISSN 1010-061X.
Factor impacte 2011 = 3.276
76. Fuellekrug, M.; Roussel-Dupre, R.; Symbalisty, E.M.D.; Colman, J.J.; Chanrion, O.; Soula, S.; [Van der Velde, O.](#); Odzimek, A.; Bennett, A.J.; Pasko, V.P.; Neubert, T. [Relativistic Electron Beams Above Thunderclouds](#). *Atmospheric Chemistry and Physics*, 2011, vol. 11, no. 15, pp. 7747-7754. ISSN 1680-7316.
Factor impacte 2011 = 5.520
77. Galicia-Garcia, T.; Martinez-Bustos, F.; Jimenez-Arevalo, O.; [Martinez, A.B.](#); Ibarra-Gomez, R.; Gaytan-Martinez, M.; Mendoza-Duarte, M. [Thermal and Microstructural Characterization of Biodegradable Films Prepared by Extrusion-Calendering Process](#). *Carbohydrate Polymers*, JAN 10, 2011, vol. 83, no. 2, pp. 354-361. ISSN 0144-8617.
Factor impacte 2011 = 3.628
78. [Gómez-Pérez, J.](#); Nascimento, L.; [Bou, J.J.](#); [Franco-Urquiza, E.](#); [Santana, O.O.](#); Carrasco, F.; [MasPOCH, M.L.](#) [Influence of Crystallinity on the Fracture Toughness of Poly\(Lactic Acid\)/Montmorillonite Nanocomposites Prepared by Twin-Screw Extrusion](#). *Journal of Applied Polymer Science*, APR 15, 2011, vol. 120, no. 2, pp. 896-905. ISSN 0021-8995.
Factor impacte 2011 = 1.289



79. [Gamez-Perez, J.](#); Velazquez-Infante, J.C.; [Franco-Urquiza, E.](#); [Pages, P.](#); Carrasco, F.; [Santana, O.O.](#); [Maspocho, M.L.](#) [Fracture Behavior of Quenched Poly\(Lactic Acid\)](#). *Express Polymer Letters*, JAN, 2011, vol. 5, no. 1, pp. 82-91. ISSN 1788-618X.
Factor impacte 2011 = 1.769
80. [Gangoilells, M.](#); [Casals-Casanova, M.](#); [Gasso, S.](#); [Forcada, N.](#); [Roca, X.](#); [Fuentes, A.](#) [Assessing Concerns of Interested Parties when Predicting the Significance of Environmental Impacts Related to the Construction Process of Residential Buildings](#). *Building and Environment*, MAY, 2011, vol. 46, no. 5, pp. 1023-1037. ISSN 0360-1323.
Factor impacte 2011 = 2.400
81. Garcia, A.; [Vila, C.](#); Ariza, J.; [Vidal, T.](#) [Thermogravimetric Measurement of Amorphous Cellulose Content in Flax Fibre and Flax Pulp](#). *Cellulose*, FEB, 2011, vol. 18, no. 1, pp. 17-31. ISSN 0969-0239.
Factor impacte 2011 = 3.600
82. [Garcia-Ojalvo, J.](#) [Physical Approaches to the Dynamics of Genetic Circuits: A Tutorial](#). *Contemporary Physics*, 2011, vol. 52, no. 5, pp. 439-464. ISSN 0010-7514.
Factor impacte 2011 = 2.081
83. [Garcia-Ubasart, J.](#); Esteban, A.; Vila, C.; [Roncero, M.B.](#); [Colom, J.F.](#); [Vidal, T.](#) [Enzymatic Treatments of Pulp using Laccase and Hydrophobic Compounds](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 2799-2803. ISSN 0960-8524.
Factor impacte 2011 = 4.980
84. [Genesca, M.](#); [Romeu, J.](#); [Pamies, T.](#); [Balastegui, A.](#) [Passive Acoustic Method for Tracking Moving Sound Sources](#). *Acta Acustica United with Acustica*, JAN-FEB, 2011, vol. 97, no. 1, pp. 34-43. ISSN 1610-1928.
Factor impacte 2011 = 0.569
85. Ghosh, D.S.; Betancur, R.; Chen, T.L.; Pruneri, V.; [Martorell, J.](#) [Semi-Transparent Metal Electrode of Cu-Ni as a Replacement of an ITO in Organic Photovoltaic Cells](#). *Solar Energy Materials and Solar Cells*, APR, 2011, vol. 95, no. 4, pp. 1228-1231. ISSN 0927-0248
Factor impacte 2011 = 4.542
86. [Gil, I.](#); [Fernandez-Garcia, R.](#); [Balcells, J.](#) [Analysis and Characterisation of Coupled Transmission Lines Loaded with Complementary Spiral Resonators](#). *IET Microwaves Antennas & Propagation*, FEB, 2011, vol. 5, no. 3, pp. 290-297. ISSN 1751-8725.
Factor impacte 2011 = 0.681
87. [Gil, I.](#); Morata, M.; [Fernandez, R.](#); Rottenberg, X.; De Raedt, W. [Characterization and Modelling of Switchable Stop-Band Filters Based on RF-MEMS and Complementary Split Ring Resonators](#). *Microelectronic Engineering*, JAN, 2011, vol. 88, no. 1, pp. 1-5. ISSN 0167-9317.
Factor impacte 2011 = 1.557
88. [Gil, I.](#); [Perez, M.A.](#); [Bernat, E.](#); [Cruz, J.J.](#) [Loss of Strength in Asbestos-Cement Water Pipes due to Leaching](#). *Structural Engineering and Mechanics*, DEC 10, 2011, vol. 40, no. 5, pp. 655-663. ISSN 1225-4568.
Factor impacte 2011 = 0.863
89. [Goncalves, M.](#); Jimenez-Guerrero, P.; [Baldasano, J.M.](#) [The Challenge of Improving Urban Air Quality: Effects of Hybrid Cars, Introduction in Barcelona and Madrid \(Spain\)](#). *International Journal of Environment and Pollution*, 2011, vol. 47, no. 1-4, pp. 70-78 ISSN 0957-4352.
Factor impacte 2011 = 0.361
90. Gordiets, B.F.; Inestrosa-Izurieteta, M.J.; [Navarro, A.](#); Bertran, E. [Nanoparticles in SiH4-Ar Plasma: Modelling and Comparison with Experimental Data](#). *Journal of Applied Physics*, NOV 15, 2011, vol. 110, no. 10, pp. 103302 ISSN 0021-8979.
Factor impacte 2011 = 2.168
91. [Gorobets, A.](#); [Trias, F.X.](#); [Borrell, R.](#); [Lehmkuhl, O.](#); [Oliva, A.](#) [Hybrid MPI Plus OpenMP Parallelization of an FFT-Based 3D Poisson Solver with One Periodic Direction](#). *Computers & Fluids*, OCT, 2011, vol. 49, no. 1, pp. 101-109. ISSN 0045-7930.
Factor impacte 2011 = 1.810



92. Hasmann, A.; Gewessler, U.; Hulla, E.; Schneider, K.P.; Binder, B.; [Francesco, A.](#); [Tzanov, T.](#); Schintler, M.; Van der Palen, J.; Guebitz, G.M.; Wehrschuetz-Sigl, E. [Sensor Materials for the Detection of Human Neutrophil Elastase and Cathepsin G Activity in Wound Fluid](#). *Experimental Dermatology*, JUN, 2011, vol. 20, no. 6, pp. 508-513. ISSN 0906-6705.
Factor impacte 2011 = 3.543
93. [Hernandez, J.A.](#); [Cante, J.C.](#); [Oliver, J.](#); [Weyler, R.](#) [On the Proper Characterization of Tooling Motions and Initial Conditions in Powder Die Compaction Modeling](#). *Journal of Materials Processing Technology*, AUG, 2011, vol. 211, no. 8, pp. 1348-1357. ISSN 0924-0136.
Factor impacte 2011 = 1.783
94. [Hernandez, J.A.](#); [Oliver, J.](#); [Cante, J.C.](#); [Weyler, R.](#) [Numerical Modeling of Crack Formation in Powder Forming Processes](#). *International Journal of Solids and Structures*, JAN 15, 2011, vol. 48, no. 2, pp. 292-316. ISSN 0020-7683.
Factor impacte 2011 = 1.809
95. [Hernandez, J.A.](#); [Oliver, J.](#); [Cante, J.C.](#); [Weyler, R.](#) [A Robust Approach to Model Densification and Crack Formation in Powder Compaction Processes](#). *International Journal for Numerical Methods in Engineering*, AUG 26, 2011, vol. 87, no. 8, pp. 735-767. ISSN 0029-5981.
Factor impacte 2011 = 1.857
96. [Herrero, R.](#); Barashenkov, I.V.; Alexeeva, N.V.; [Staliunas, K.](#) [Anisotropic Subdiffractive Solitons](#). *Chaos Solitons & Fractals*, DEC, 2011, vol. 44, no. 12, pp. 1070-1074 ISSN 0960-0779.
Factor impacte 2011 = 1.222
97. Hijano, E.; [Serrat, C.](#); Gibson, G.N.; Faria, C.F.D.; Biegert, J. [Optimal Pulse for Orbital Reconstruction from Ionization Maps in Aligned Molecules](#). *Journal of Modern Optics*, 2011, vol. 58, no. 13, pp. 1166-1172. ISSN 0950-0340.
Factor impacte 2011 = 1.170
98. [Illescas, S.](#); [Sanchez-Soto, M.](#); Milliman, H.; Schiraldi, D.A.; Arostegui, A. [The Morphology and Properties of Melt-Mixed polyoxymethylene/monosilanolisobutyl-POSS Composites](#). *High Performance Polymers*, SEP, 2011, vol. 23, no. 6, pp. 457-467. ISSN 0954-0083.
Factor impacte 2011 = 0.884
99. [Jaramillo, J.E.](#); [Perez-Segarra, C.D.](#); [Lehmkuhl, O.](#); [Castro, J.](#) [Detailed Analysis of Turbulent Flows in Air Curtains](#). *Progress in Computational Fluid Dynamics*, 2011, vol. 11, no. 6, pp. 350-362. ISSN 1468-4349.
Factor impacte 2011 = 0.298
100. Kalinowski, K.; Kong, Q.; [Roppo, V.](#); Arie, A.; Sheng, Y.; Krolikowski, W. [Wavelength and Position Tuning of Cerenkov Second-Harmonic Generation in Optical Superlattice](#). *Applied Physics Letters*, OCT 31, 2011, vol. 99, no. 18, pp. 181128. ISSN 0003-6951.
Factor impacte 2011 = 3.844
101. Kuchina, A.; Espinar, L.; Cagatay, T.; Balbin, A.O.; Zhang, F.; Alvarado, A.; [Garcia-Ojalvo, J.](#); Suel, G. [Temporal Competition between Differentiation Programs Determines Cell Fate Choice](#). *Molecular Systems Biology*, DEC, 2011, vol. 7, pp. 557 ISSN 1744-4292.
Factor impacte 2011 = 8.626
102. Kuchina, A.; [Espinar, L.](#); [Garcia-Ojalvo, J.](#); Suel, G.M. [Reversible and Noisy Progression Towards a Commitment Point Enables Adaptable and Reliable Cellular Decision-Making](#). *PLoS Computational Biology*, NOV, 2011, vol. 7, no. 11, pp. e1002273. ISSN 1553-734X.
Factor impacte 2011 = 5.215
103. Li, B.; [Berbel, N.](#); Boyer, A.; BenDhia, S.; [Fernandez-Garcia, R.](#) [Study of the Impact of Hot Carrier Injection to Immunity of MOSFET to Electromagnetic Interferences](#). *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1557-1560. ISSN 0026-2714.
Factor impacte 2011 = 1.167
104. [Lopez-Herrera, J.](#); Cellier, F.; [Cembrano, G.](#) [Estimating the Horizon of Predictability in Time-Series Predictions using Inductive Modelling Tools](#). *International Journal of General Systems*, 2011, vol. 40, no. 3, pp. 263-282. ISSN 0308-1079.
Factor impacte 2011 = 0.667



105. Lopez-Mesas, M.; Navarrete, E.R.; [Carrillo, F.](#); Palet, C. [Bioseparation of Pb\(II\) and Cd\(II\) from Aqueous Solution using Cork Waste Biomass. Modeling and Optimization of the Parameters of the Biosorption Step.](#) *Chemical Engineering Journal*, OCT 15, 2011, vol. 174, no. 1, pp. 9-17. ISSN 1385-8947.
Factor impacte 2011 = 3.461
106. Lu, G.; Cummer, S.A.; Lyons, W.A.; Krehbiel, P.R.; Li, J.; Rison, W.; Thomas, R.J.; Edens, H.E.; Stanley, M.A.; Beasley, W.; MacGorman, D.R.; [Van der Velde, O.A.](#); Cohen, M.B.; Lang, T.J.; Rutledge, S.A. [Lightning Development Associated with Two Negative Gigantic Jets.](#) *Geophysical Research Letters*, JUN 21, 2011, vol. 38, pp. L12801. ISSN 0094-8276.
Factor impacte 2011 = 3.792
107. [Luna, A.](#); Lima, F.K.A.; Santos, D.; [Rodriguez, P.](#); Watanabe, E.H.; Arnaltes, S. [Simplified Modeling of a DFIG for Transient Studies in Wind Power Applications.](#) *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 9-20. ISSN 0278-0046.
Factor impacte 2011 = 5.160
108. [Macanas, J.](#); Soler, L.; Candela, A.M.; Munoz, M.; Casado, J. [Hydrogen Generation by Aluminum Corrosion in Aqueous Alkaline Solutions of Inorganic Promoters: The AlHidrox Process.](#) *Energy*, MAY, 2011, vol. 36, no. 5, pp. 2493-2501. ISSN 0360-5442.
Factor impacte 2011 = 3.487
109. [Magana, A.](#); [Quintanilla, R.](#) [On the Spatial Behavior of Solutions for Non-Linear Type II Heat Conduction.](#) *International Journal of Non-Linear Mechanics*, NOV, 2011, vol. 46, no. 9, pp. 1252-1257. ISSN 0020-7462.
Factor impacte 2011 = 1.209
110. Manich, A.M.; Carilla, J.; Miguel, R.A.L.; Baena, B.; Lucas, J.; Marti, M.; [Cayuela, D.](#) [Differential Scanning Calorimetry and Elasticity of Textured, Heat Set and Mechanical Strained Polylactide Multifilaments.](#) *Fibres & Textiles in Eastern Europe*, NOV-DEC, 2011, vol. 19, no. 6, pp. 22-27. ISSN 1230-3666.
Factor impacte 2011 = 0.532
111. [March, V.](#); [Montanya, J.](#) [X-Rays from Laboratory Sparks in Air: The Role of the Cathode in the Production of Runaway Electrons.](#) *Geophysical Research Letters*, FEB 18, 2011, vol. 38, pp. L04803. ISSN 0094-8276.
Factor impacte 2011 = 3.792
112. [Marrugo, A.G.](#); Sorel, M.; Sroubek, F.; [Millan, M.S.](#) [Retinal Image Restoration by Means of Blind Deconvolution.](#) *Journal of Biomedical Optics*, NOV, 2011, vol. 16, no. 11, pp. 116016 ISSN 1083-3668.
Factor impacte 2011 = 3.157
113. Martin, L.; [Codony, F.](#); Rios, K.; Adrados, B.; [Fittipaldi, M.](#); De Dios, G.; Penuela, G.; [Morato, J.](#) [Prevalence Study of Simkania Negevensis in Cooling Towers in Spain.](#) *Journal of Water and Health*, 2011, vol. 9, no. 2, pp. 312-316. ISSN 1477-8920.
Factor impacte 2011 = 1.367
114. Martinez, O.; [Vilaseca, M.](#); [Arjona, M.](#); [Pizarro, C.](#); [Pujol, J.](#) [Use of Light-Emitting Diodes in Multispectral Systems Design: Variability of Spectral Power Distribution According to Angle and Time of Usage.](#) *Journal of Imaging Science and Technology*, SEP-OCT, 2011, vol. 55, no. 5, pp. 050501 ISSN 1062-3701.
Factor impacte 2011 = 0.930
115. [Martinez-Benasat, A.B.](#); [Realinho, V.](#); [Antunes, M.](#); [Maspocho, M.L.](#); [Velasco, J.I.](#) [Microcellular Foaming of Layered Double Hydroxide-Polymer Nanocomposites.](#) *Industrial & Engineering Chemistry Research*, MAY 4, 2011, vol. 50, no. 9, pp. 5239-5247. ISSN 0888-5885.
Factor impacte 2011 = 2.237
116. [Martinez-Benasat, A.B.](#); Xiang, G.; [Arencon, D.](#); [Velasco, J.I.](#) [Low Energy Impact Indentation of an Epoxy-Carbon Fiber Laminate.](#) *Polymers & Polymer Composites*, 2011, vol. 19, no. 7, pp. 553-557. ISSN 0967-3911.
Factor impacte 2011 = 0.326
117. [Martinez-Roda, J.A.](#); [Vilaseca, M.](#); [Ondategui, J.C.](#); Giner, A.; Burgos, F.J.; [Cardona, G.](#); [Pujol, J.](#) [Optical Quality and Intraocular Scattering in a Healthy Young Population.](#) *Clinical and Experimental Optometry*, MAR, 2011, vol. 94, no. 2, pp. 223-229. ISSN 0816-4622.
Factor impacte 2011 = 1.047



118. [Masoller, C.](#); Atay, F.M. [Complex Transitions to Synchronization in Delay-Coupled Networks of Logistic Maps](#). *European Physical Journal D*, MAR, 2011, vol. 62, no. 1, pp. 119-126. ISSN 1434-6060.
Factor impacte 2011 = 1.476
119. [Masoller, C.](#); Rosso, O.A. [Quantifying the Complexity of the Delayed Logistic Map](#). *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, JAN 28, 2011, vol. 369, no. 1935, pp. 425-438. ISSN 1364-503X.
Factor impacte 2011 = 2.773
120. [Masoller, C.](#); Sukow, D.; Gavrielides, A.; Sciamanna, M. [Bifurcation to Square-Wave Switching in Orthogonally Delay-Coupled Semiconductor Lasers: Theory and Experiment](#). *Physical Review A*, AUG 22, 2011, vol. 84, no. 2, pp. 023838. ISSN 1050-2947.
Factor impacte 2011 = 2.878
121. Milo, A.; Gaztanaga, H.; Etxeberria-Otadui, I.; Bacha, S.; [Rodriguez-Cortes, P.](#) [Optimal Economic Exploitation of Hydrogen Based Grid-Friendly Zero Energy Buildings](#). *Renewable Energy*, JAN, 2011, vol. 36, no. 1, pp. 197-205. ISSN 0960-1481.
Factor impacte 2011 = 2.978
122. Miranville, A.; [Quintanilla, R.](#) [A Phase-Field Model Based on a Three-Phase-Lag Heat Conduction](#). *Applied Mathematics and Optimization*, FEB, 2011, vol. 63, no. 1, pp. 133-150. ISSN 0095-4616.
Factor impacte 2011 = 0.952
123. Miranville, A.; [Quintanilla, R.](#) [A Type III Phase-Field System with a Logarithmic Potential](#). *Applied Mathematics Letters*, JUN, 2011, vol. 24, no. 6, pp. 1003-1008. ISSN 0893-9659
Factor impacte 2011 = 1.371
124. Moldes, D.; [Vidal, T.](#) [New Possibilities of Kraft Pulp Biobleaching with Laccase and Sulfonated Mediators](#). *Process Biochemistry*, MAR, 2011, vol. 46, no. 3, pp. 656-660. ISSN 1359-5113
Factor impacte 2011 = 2.627
125. Moldes, D.; [Vidal, T.](#) [Reutilization of Effluents from Laccase-Mediator Treatments of Kraft Pulp for Biobleaching](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 3603-3606. ISSN 0960-8524.
Factor impacte 2011 = 4.980
126. Morata, M.; [Gil, I.](#); [Fernandez-Garcia, R.](#) [Modeling Tunable Band-Pass Filters Based on RF-MEMS Metamaterials](#). *International Journal of Numerical Modelling-Electronic Networks Devices and Fields*, NOV-DEC, 2011, vol. 24, no. 6, pp. 583-589. ISSN 0894-3370.
Factor impacte 2011 = 0.600
127. [Mujal-Rosas, R.](#); [Orrit-Prat, J.](#) [General Analysis of the Three-Phase Asynchronous Motor with Spiral Sheet Rotor: Operation, Parameters, and Characteristic Values](#). *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1799-1811. ISSN 0278-0046
Factor impacte 2011 = 5.160
128. [Mujal-Rosas, R.](#); [Orrit-Prat, J.](#); [Ramis-Juan, X.](#); [Marin-Genesca, M.](#); Rahhali, A. [Dielectric Properties of various Polymers \(PVC, EVA, HDPE and PP\) Reinforced with used Tires \(GTR\)](#). *Afinidad*, JUL-AUG, 2011, vol. 68, no. 554, pp. 263-273 ISSN 0001-9704.
Factor impacte 2011 = 0.138
129. [Mujal-Rosas, R.](#); [Orrit-Prat, J.](#); [Ramis-Juan, X.](#); [Marin-Genesca, M.](#); Rahhali, A. [Study on Dielectric, Thermal, and Mechanical Properties of the Ethylene Vinyl Acetate Reinforced with Ground Tire Rubber](#). *Journal of Reinforced Plastics and Composites*, APR, 2011, vol. 30, no. 7, pp. 581-592. ISSN 0731-6844.
Factor impacte 2011 = 0.727
130. [Munoz-Aguilar, R.S.](#); [Doria-Cerezo, A.](#); [Fossas, E.](#); [Cardoner, R.](#) [Sliding Mode Control of a Stand-Alone Wound Rotor Synchronous Generator](#). *IEEE Transactions on Industrial Electronics*, OCT, 2011, vol. 58, no. 10, pp. 4888-4897. ISSN 0278-0046.
Factor impacte 2011 = 5.160



131. [Navarro, A.; Cardellach, E.; Corbella, M. Immobilization of Cu, Pb and Zn in Mine-Contaminated Soils using Reactive Materials. *Journal of Hazardous Materials*, FEB 28, 2011, vol. 186, no. 2-3, pp. 1576-1585. ISSN 0304-3894](#)
Factor impacte 2011 = 4.173
132. [Navarro, A.; Font, X.; Viladevall, M. Geochemistry and Groundwater Contamination in the La Selva Geothermal System \(Girona, Northeast Spain\). *Geothermics*, DEC, 2011, vol. 40, no. 4, pp. 275-285 ISSN 0375-6505.](#)
Factor impacte 2011 = 1.919
133. Neubert, T.; Chanrion, O.; Arnone, E.; Zanotti, F.; Cummer, S.; Li, J.; Fullekrug, M.; Soula, S.; [Van der Velde, O. The Properties of a Gigantic Jet Reflected in a Simultaneous Sprite: Observations Interpreted by a Model. *Journal of Geophysical Research-Space Physics*, DEC 30, 2011, vol. 116, pp. A12329 ISSN 0148-0227.](#)
Factor impacte 2011 = 3.021
134. Niubo, M.; Fernandez, A.I.; [Haurie, L.](#); Capdevila, X.G.; Chimenos, J.M.; [Velasco, J.I. Influence of the Electric Arc Furnace Dust in the Physical and Mechanical Properties of EVA-Polyethylene-Butene Blends. *Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing*, MAY 24, 2011, vol. 528, no. 13-14, pp. 4437-4444. ISSN 0921-5093.](#)
Factor impacte 2011 = 2.003
135. [Orrit-Prat, J.; Canadas, J.C.; Sellares, J.; Belana, J. Identification of Dipolar Relaxations in Dielectric Spectra of Mid-Voltage Cross-Linked Polyethylene Cables. *Journal of Electrostatics*, APR, 2011, vol. 69, no. 2, pp. 119-125. ISSN 0304-3886.](#)
Factor impacte 2011 = 1.080
136. [Orrit-Prat, J.; Mujal-Rosas, R.; Rahhali, A.; Marin-Genesca, M.; Colom-Fajula, X.; Belana-Punseti, J. Dielectric and Mechanical Characterization of PVC Composites with Ground Tire Rubber. *Journal of Composite Materials*, JUN, 2011, vol. 45, no. 11, pp. 1233-1243. ISSN 0021-9983.](#)
Factor impacte 2011 = 1.068
137. [Pamies, T.; Romeu, J.; Genesca, M.; Balastegui, A. Sound Radiation from an Aperture in a Rectangular Enclosure Under Low Modal Conditions. *Journal of the Acoustical Society of America*, JUL, 2011, vol. 130, no. 1, pp. 239-248. ISSN 0001-4966.](#)
Factor impacte 2011 = 1.550
138. Pamplona, P.X.; Munoz, J.E.; [Quintanilla, R. On the Decay of Solutions for Porous-Elastic Systems with History. *Journal of Mathematical Analysis and Applications*, JUL 15, 2011, vol. 379, no. 2, pp. 682-705. ISSN 0022-247X](#)
Factor impacte 2011 = 1.001
139. Patino, A.; [Canal, C.](#); [Rodriguez, C.](#); [Caballero, G.](#); [Navarro, A.](#); [Canal, J.M. Surface and Bulk Cotton Fibre Modifications: Plasma and Cationization. Influence on Dyeing with Reactive Dye. *Cellulose*, AUG, 2011, vol. 18, no. 4, pp. 1073-1083. ISSN 0969-0239.](#)
Factor impacte 2011 = 3.600
140. [Pepio, M.; Gutierrez-Bouzan, M.C. Empirical Models for the Decoloration of Dyes in an Electrochemical Batch Cell. *Industrial & Engineering Chemistry Research*, AUG 3, 2011, vol. 50, no. 15, pp. 8965-8972. ISSN 0888-5885.](#)
Factor impacte 2011 = 2.237
141. Pereira Miranda, A.F.; Rodrigues, J.M.L.; Barata, C.; [Riva, C.](#); Nuggeoda, D.; Soares, A.M.V.M. [The use of Daphnia Magna Immobilization Tests and Soil Microcosms to Evaluate the Toxicity of Dredged Sediments. *Journal of Soils and Sediments*, FEB, 2011, vol. 11, no. 2, pp. 373-381. ISSN 1439-0108.](#)
Factor impacte 2011 = 1.863
142. [Perez-Cabre, E.](#); Cho, M.J.; Javidi, B. [Information Authentication using Photon-Counting Double-Random-Phase Encrypted Images. *Optics Letters*, JAN 1, 2011, vol. 36, no. 1, pp. 22-24. ISSN 0146-9592.](#)
Factor impacte 2011 = 3.399
143. [Perez-Magrane, R.](#); [Puig, V.](#); [Pascual, J.](#); [Quevedo, J.](#); Landeros, E.; Peralta, A. [Methodology for Leakage Isolation using Pressure Sensitivity Analysis in Water Distribution Networks. *Control Engineering Practice*, OCT, 2011, vol. 19, no. 10, pp. 1157-1167. ISSN 0967-0661.](#)
Factor impacte 2011 = 1.481



144. [Pino, A.; Pladellourens, J.; Colom, J.F.; Cusola, O.; Tosas, A. Using Laser Speckle to Measure the Roughness of Paper. *Tappi Journal*, MAR, 2011, vol. 10, no. 3, pp. 7-13. ISSN 0734-1415](#)
Factor impacte 2011 = 0.475
145. [Pino, A.; Pladellourens, J.; Cusola, O.; Caum, J. Roughness Measurement of Paper using Speckle. *Optical Engineering*, SEP, 2011, vol. 50, no. 9, pp. 093605. ISSN 0091-3286.](#)
Factor impacte 2011 = 0.959
146. [Ponsa, P.; Vilanova, R.; Amante, B. Human Intervention and Interface Design in Automation Systems. *International Journal of Computers Communications & Control*, MAR, 2011, vol. 6, no. 1, pp. 166-174. ISSN 1841-9836.](#)
Factor impacte 2011 = 0.438
147. [Pou, J.; Zaragoza, J.; Capella, G.; Gabiola, I.; Ceballos, S.; Robles, E. Current Balancing Strategy for Interleaved Voltage Source Inverters. *EPE Journal*, JAN-MAR, 2011, vol. 21, no. 1, pp. 29-34. ISSN 0939-8368.](#)
Factor impacte 2011 = 0.303
148. [Quevedo-Junyent, L.; Aznar-Casanova, J.A.; Merindano-Encina, D.; Cardona, G.; Sole-Forto, J. Comparison of Dynamic Visual Acuity between Water Polo Players and Sedentary Students. *Research Quarterly for Exercise and Sport*, DEC, 2011, vol. 82, no. 4, pp. 644-651. ISSN 0270-1367.](#)
Factor impacte 2011 = 1.490
149. [Quintanilla, R. On Growth and Continuous Dependence in Thermoelasticity with Microtemperatures. *Journal of Thermal Stresses*, 2011, vol. 34, no. 9, pp. 911-922. ISSN 0149-5739.](#)
Factor impacte 2011 = 0.805
150. [Quintanilla, R. Some Solutions for a Family of Exact Phase-Lag Heat Conduction Problems RID D-9439-2011. *Mechanics Research Communications*, JUL, 2011, vol. 38, no. 5, pp. 355-360. ISSN 0093-6413.](#)
Factor impacte 2011 = 1.273
151. [Quintanilla, R.; Racke, R. Qualitative Aspects of Solutions in Resonators \(Vol 60, Pg 345, 2008\). *Archives of Mechanics*, 2011, vol. 63, no. 4, pp. 429-435. ISSN 0373-2029.](#)
Factor impacte 2011 = 0.396
152. [Radziunas, M.; Staliunas, K. Spatial "Rocking" in Broad-Area Semiconductor Lasers. *EPL*, JUL, 2011, vol. 95, no. 1, pp. 14002. ISSN 0295-5075.](#)
Factor impacte 2011 = 2.171
153. [Realinho, V.; Antunes, M.; Martinez-Benasat, A.B.; Velasco, J.I. Influence of Nanoclay Concentration on the CO₂ Diffusion and Physical Properties of PMMA Montmorillonite Microcellular Foams. *Industrial & Engineering Chemistry Research*, DEC 21, 2011, vol. 50, no. 24, pp. 13819-13824. ISSN 0888-5885.](#)
Factor impacte 2011 = 2.237
154. [Reyes-Alcaraz, A.; Martinez-Archundia, M.; Ramon, E.; Garriga, P. Salt Effects on the Conformational Stability of the Visual G-Protein-Coupled Receptor Rhodopsin. *Biophysical Journal*, DEC 7, 2011, vol. 101, no. 11, pp. 2798-2806. ISSN 0006-3495.](#)
Factor impacte 2011 = 3.653
155. [Riera-Torres, M.; Gutierrez-Bouzan, M.C.; Valdeperas, J.; Lis, M.J.; Crespi, M. Influence of Electrochemical Pre-Treatment in Dyeing Wastewater Reuse for Five Reactive Dyes. *Textile Research Journal*, NOV, 2011, vol. 81, no. 18, pp. 1926-1939. ISSN 0040-5175.](#)
Factor impacte 2011 = 1.122
156. [Riu-Aumatell, M.; Vargas, L.; Vichi, S.; Guadayol, J.M.; Lopez-Tamames, E.; Buxaderas, S. Characterisation of Volatile Composition of White Salsify \(*Tragopogon Porriifolius* L.\) by Headspace Solid-Phase Microextraction \(HS-SPME\) and Simultaneous Distillation-Extraction \(SDE\) Coupled to GC-MS. *Food Chemistry*, NOV 15, 2011, vol. 129, no. 2, pp. 557-564. ISSN 0308-8146.](#)
Factor impacte 2011 = 3.655
157. [Robles, E.; Pou, J.; Ceballos, S.; Zaragoza, J.; Martin, J.L.; Ibanez, P. Frequency-Adaptive Stationary-Reference-Frame Grid Voltage Sequence Detector for Distributed Generation Systems. *IEEE Transactions on Industrial Electronics*, SEP, 2011, vol. 58, no. 9, pp. 4275-4287. ISSN 0278-0046.](#)
Factor impacte 2011 = 5.160



158. [Rocabert, J.](#); Azevedo, G.M.S.; [Luna, A.](#); [Guerrero, J.M.](#); [Candela, J.I.](#); [Rodriguez, P.](#) [Intelligent Connection Agent for Three-Phase Grid-Connected Microgrids](#). *IEEE Transactions on Power Electronics*, OCT, 2011, vol. 26, no. 10, pp. 2993-3005. ISSN 0885-8993.
Factor impacte 2011 = 4.650
159. [Rodriguez, F.J.](#); [Yao, C.](#); [Dominguez-Juarez, J.L.](#); [Bravo-Abad, J.](#); [Martorell, J.](#) [Observation of Speckle Pattern Formation in Transparent Nonlinear Random Media](#). *Optics Letters*, APR 15, 2011, vol. 36, no. 8, pp. 1347-1349. ISSN 0146-9592.
Factor impacte 2011 = 3.399
160. [Rodriguez, I.](#); [Borell, R.](#); [Lehmkuhl, O.](#); [Perez-Segarra, C.D.](#); [Oliva, A.](#) [Direct Numerical Simulation of the Flow Over a Sphere at Re=3700](#). *Journal of Fluid Mechanics*, JUL, 2011, vol. 679, pp. 263-287. ISSN 0022-1120.
Factor impacte 2011 = 2.459
161. [Rodriguez, P.](#); [Luna, A.](#); [Candela, I.](#); [Mujal, R.](#); Teodorescu, R.; Blaabjerg, F. [Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.
Factor impacte 2011 = 5.160
162. [Rolan, A.](#), [Corcoles, F.](#); [Pedra, J.](#), 2011. [Doubly Fed Induction Generator Subject to Symmetrical Voltage Sags](#). *IEEE Transactions on Energy Conversion*, DEC, vol. 26, no. 4, pp. 1219-1229 ISSN 0885-8969.
Factor impacte 2011 = 2.272
163. [Romero-Fernandez, W.](#); [Borroto-Escuela, D.O.](#); [Alea, M.P.](#); [Garcia-Mesa, Y.](#); [Garriga, P.](#) [Altered Trafficking and Unfolded Protein Response Induction as a Result of M\(3\) Muscarinic Receptor Impaired N-Glycosylation](#), *Glycobiology*, DEC, 2011, vol. 21, no. 12, pp. 1663-1672. ISSN 0959-6658.
Factor impacte 2011 = 3.580
164. [Romero-Fernandez, W.](#); [Garriga, P.](#); [Borroto-Escuela, D.O.](#) [Overproduction of Human M\(3\) Muscarinic Acetylcholine Receptor: An Approach Toward Structural Studies](#). *Biotechnology Progress*, MAY-JUN, 2011, vol. 27, no. 3, pp. 838-845. ISSN 8756-7938.
Factor impacte 2011 = 2.340
165. [Romeu, J.](#); [Genesca, M.](#); [Pamies, T.](#); [Jimenez, S.](#) [Street Categorization for the Estimation of Day Levels using Short-Term Measurements](#). *Applied Acoustics*, JUL, 2011, vol. 72, no. 8, pp. 569-577. ISSN 0003-682X.
Factor impacte 2011 = 1.050
166. [Roppo, V.](#); [Akobek, N.](#); [De Ceglia, D.](#); [Vincenti, M.A.](#); [Scalora, M.](#) [Harmonic Generation and Energy Transport in Dielectric and Semiconductors at Visible and UV Wavelengths: The Case of GaP](#). *Journal of the Optical Society of America B-Optical Physics*, DEC, 2011, vol. 28, no. 12, pp. 2888-2894 ISSN 0740-3224.
Factor impacte 2011 = 2.185
167. [Roppo, V.](#); [Foreman, J.V.](#); [Akobek, N.](#); [Vincenti, M.A.](#); [Scalora, M.](#) [Third Harmonic Generation at 223 Nm in the Metallic Regime of GaP](#). *Applied Physics Letters*, MAR 14, 2011, vol. 98, no. 11, pp. 111105. ISSN 0003-6951
Factor impacte 2011 = 3.844
168. [Roppo, V.](#); [Raineri, F.](#); [Raj, R.](#); [Sagnes, I.](#); [Trull, J.](#); [Vilaseca, R.](#); [Scalora, M.](#); [Cojocar, C.](#) [Enhanced Efficiency of the Second Harmonic Inhomogeneous Component in an Opaque Cavity](#). *Optics Letters*, MAY 15, 2011, vol. 36, no. 10, pp. 1809-1811. ISSN 0146-9592.
Factor impacte 2011 = 3.399
169. [Rosas-Casals, M.](#); [Sole, R.](#) [Analysis of Major Failures in Europe's Power Grid](#). *International Journal of Electrical Power & Energy Systems*, MAR, 2011, vol. 33, no. 3, pp. 805-808. ISSN 0142-0615
Factor impacte 2011 = 2.247
170. [Rubido, N.](#); [Tiana-Alsina, J.](#); [Torrent, M.C.](#); [Garcia-Ojalvo, J.](#); [Masoller, C.](#) [Language Organization and Temporal Correlations in the Spiking Activity of an Excitable Laser: Experiments and Model Comparison](#) *RID A-4574-2009*. *Physical Review E*, AUG 9, 2011, vol. 84, no. 2, pp. 026202. ISSN 1539-3755.
Factor impacte 2011 = 2.255



171. Rue, P.; Garcia-Ojalvo, J. [Gene Circuit Designs for Noisy Excitable Dynamics](#). *Mathematical Biosciences*, MAY, 2011, vol. 231, no. 1, pp. 90-97. ISSN 0025-5564.
Factor impacte 2011 = 1.540
172. Rue, P.; Sueel, G.M.; Garcia-Ojalvo, J. [Optimizing Periodicity and Polymodality in Noise-Induced Genetic Oscillators](#) [RID A-4574-2009](#). *Physical Review E*, JUN 6, 2011, vol. 83, no. 6, pp. 061904. ISSN 1539-3755.
Factor impacte 2011 = 2.255
173. Ruiz, P.; Macanas, J.; Munoz, M.; Muraviev, D.N. [Intermatrix Synthesis: Easy Technique Permitting Preparation of Polymer-Stabilized Nanoparticles with Desired Composition and Structure](#). *Nanoscale Research Letters*, APR 15, 2011, vol. 6, pp. 343. ISSN 1931-7573.
Factor impacte 2011 = 2.726
174. Ruiz, P.; Munoz, M.; Macanas, J.; Muraviev, D.N. [Interatrix Synthesis of Polymer-Stabilized PGM@Cu Core-Shell Nanoparticles with Enhanced Electrocatalytic Properties](#). *Reactive & Functional Polymers*, AUG, 2011, vol. 71, no. 8, pp. 916-924. ISSN 1381-5148.
Factor impacte 2011 = 2.479
175. Salazar, L.; Crespi, M.; Salazar, R. [Comparative Study between Activated Sludge Versus Membrane Bioreactor for Textile Wastewater](#). *Desalination and Water Treatment*, NOV, 2011, vol. 35, no. 1-3, pp. 101-109. ISSN 1944-3994.
Factor impacte 2011 = 0.614
176. Sen, S.; Garcia-Ojalvo, J.; Elowitz, M.B. [Dynamical Consequences of Bandpass Feedback Loops in a Bacterial Phosphorelay](#). *PLoS One*, SEP 29, 2011, vol. 6, no. 9, pp. e25102. ISSN 1932-6203.
Factor impacte 2011 = 4.092
177. Sender, M.J.; Vernet, M.; Maseras, M.; Salvador, A.; Pascual, L.; Ondategui, J.C.; Jovell, E. [Oftalmopatía en la diabetes mellitus: detección desde la Atención Primaria de salud](#). *Atencion Primaria*, JAN, 2011, vol. 43, no. 1, pp. 41-48. ISSN 0212-6567.
Factor impacte 2011 = 0.627
178. Senturk, O.S.; Helle, L.; Munk-Nielsen, S.; Rodriguez, P.; Teodorescu, R. [Converter Structure-Based Power Loss and Static Thermal Modeling of the Press-Pack IGBT Three-Level ANPC VSC Applied to Multi-MW Wind Turbines](#). *IEEE Transactions on Industry Applications*, NOV-DEC, 2011, vol. 47, no. 6, pp. 2505-2515. ISSN 0093-9994.
Factor impacte 2011 = 1.657
179. Serrat, C.; Biegert, J. [Enhancement of HHG Yield](#). *Nuclear Instruments & Methods in Physics Research. Section A: Accelerators Spectrometers Detectors and Associated Equipment*, OCT 11, 2011, vol. 653, no. 1, pp. 134-136. ISSN 0168-9002.
Factor impacte 2011 = 1.207
180. Serrat, C. [Control of High-Order Harmonics for Attoscience using a Static-Electric-Field Pattern](#). *Physical Review A*, DEC 27, 2011, vol. 84, no. 6, pp. 061803. ISSN 1050-2947.
Factor impacte 2011 = 2.878
181. Sheng, Y.; Roppo, V.; Kong, Q.; Kalinowski, K.; Wang, Q.; Cojocaru, C.; Trull, J.; Krolikowski, W. [Tailoring Cerenkov Second-Harmonic Generation in Bulk Nonlinear Photonic Crystal](#). *Optics Letters*, JUL 1, 2011, vol. 36, no. 13, pp. 2593-2595. ISSN 0146-9592.
Factor impacte 2011 = 3.399
182. Sheng, Y.; Wang, W.J.; Shiloh, R.; Roppo, V.; Arie, A.; Krolikowski, W. [Third-Harmonic Generation Via Nonlinear Raman-Nath Diffraction in Nonlinear Photonic Crystal](#). *Optics Letters*, AUG 15, 2011, vol. 36, no. 16, pp. 3266-3268. ISSN 0146-9592.
Factor impacte 2011 = 3.399
183. Sheng, Y.; Wang, W.J.; Shiloh, R.; Roppo, V.; Kong, Y.F.; Arie, A.; Krolikowski, W. [Cerenkov Third-Harmonic Generation in Chi\(\(2\)\) Nonlinear Photonic Crystal](#). *Applied Physics Letters*, JUN 13, 2011, vol. 98, no. 24, pp. 241114. ISSN 0003-6951.
Factor impacte 2011 = 3.844



184. Soliveres, E.; Perez-Arjona, I.; Pico, R.; Espinosa, V.; Sanchez-Morcillo, V.J.; [Staliunas, K.](#) [Simultaneous Self-Collimation of Fundamental and Second-Harmonic in Sonic Crystals](#). *Applied Physics Letters*, OCT 10, 2011, vol. 99, no. 15, pp. 151905. ISSN 0003-6951.
Factor impacte 2011 = 3.844
185. [Staliunas, K.](#) [Removal of Excitations of Bose-Einstein Condensates by Space- and Time-Modulated Potentials](#). *Physical Review A*, JUL 29, 2011, vol. 84, no. 1, pp. 013626. ISSN 1050-2947.
Factor impacte 2011 = 2.878
186. [Tapias, M.](#); [Rallo, M.](#); [Escofet, J.](#) [Automatic Measurements of Partial Cover Factors and Yarn Diameters in Fabrics using Image processing](#). *Textile Research Journal*, JAN, 2011, vol. 81, no. 2, pp. 173-186. ISSN 0040-5175.
Factor impacte 2011 = 1.122
187. Tiana-Alsina, J.; Garcia-Lopez, J.H.; [Torrent, M.C.](#); [Garcia-Ojalvo, J.](#) [Dual-Lag Synchronization between Coupled Chaotic Lasers due to Path-Delay Interference](#). *Chaos*, DEC, 2011, vol. 21, no. 4, pp. 043102. ISSN 1054-1500.
Factor impacte 2011 = 2.076
188. Toledo, D.; [Ramon, E.](#); Aguila, M.; Cordomi, A.; [Perez, J.J.](#); Mendes, H.F.; Cheetham, M.E.; [Garriga, P.](#) [Molecular Mechanisms of Disease for Mutations at Gly-90 in Rhodopsin](#). *Journal of Biological Chemistry*, NOV 18, 2011, vol. 286, no. 46, pp. 39993-40001. ISSN 0021-9258.
Factor impacte 2011 = 4.773
189. [Torrades, F.](#); Saiz, S.; [García-Hortal, J.A.](#) [Using Central Composite Experimental Design to Optimize the Degradation of Black Liquor by Fenton Reagent](#). *Desalination*, MAR 1, 2011, vol. 268, no. 1-3, pp. 97-102. ISSN 0011-9164.
Factor impacte 2011 = 2.590
190. Torre, M.S.; Gavrielides, A.; [Masoller, C.](#) [Numerical Characterization of Transient Polarization Square-Wave Switching in Two Orthogonally Coupled VCSELs](#). *Optics Express*, OCT 10, 2011, vol. 19, no. 21, pp. 20269-20278. ISSN 1094-4087.
Factor impacte 2011 = 3.587
191. [Torrents, A.](#); Bofill, F.; [Cardona, G.](#) [Suitability of School Textbooks for 5 to 7 Year Old Children with Colour Vision Deficiencies](#). *Learning and Individual Differences*, OCT, 2011, vol. 21, no. 5, pp. 607-612. ISSN 1041-6080.
Factor impacte 2011 = 1.582
192. [Trias, F.X.](#); [Lehmkuhl, O.](#) [A Self-Adaptive Strategy for the Time Integration of Navier-Stokes Equations](#). *Numerical Heat Transfer Part B-Fundamentals*, 2011, vol. 60, no. 2, pp. 116-134. ISSN 1040-7790.
Factor impacte 2011 = 2.054
193. [Trias, F.X.](#); Verstappen, R.W.C.P. [On the Construction of Discrete Filters for Symmetry-Preserving Regularization Models](#). *Computers & Fluids*, JAN, 2011, vol. 40, no. 1, pp. 139-148. ISSN 0045-7930.
Factor impacte 2011 = 1.810
194. [Trull, J.](#); [Maigyte, L.](#); Mizeikis, V.; Malinauskas, M.; Juodkasis, S.; [Cojocar, C.](#); Rutkauskas, M.; Peckus, M.; Sirutkaitis, V.; [Staliunas, K.](#) [Formation of Collimated Beams Behind the Woodpile Photonic Crystal RID D-7071-2011](#). *Physical Review A*, SEP 9, 2011, vol. 84, no. 3, pp. 033812. ISSN 1050-2947.
Factor impacte 2011 = 2.878
195. [Valderrama, C.](#); [Gibert, O.](#); Arcal, J.; Solano, P.; Akbarzadeh, A.; Larrotcha, E.; [Cortina, J.L.](#) [Solar Energy Storage by Salinity Gradient Solar Pond: Pilot Plant Construction and Gradient Control](#). *Desalination*, SEP 15, 2011, vol. 279, no. 1-3, pp. 445-450. ISSN 0011-9164.
Factor impacte 2011 = 2.590
196. [Valls, C.](#); Gallardo, O.; [Vidal, T.](#); Pastor, F.I.J.; Diaz, P.; [Roncero, M.B.](#) [Performance of New and Commercial Xylanases for ECF and TCF Bleaching of Eucalyptus Kraft Pulp](#). *Wood Science and Technology*, AUG, 2011, vol. 45, no. 3, pp. 433-448. ISSN 0043-7719.
Factor impacte 2011 = 1.727
197. [Vega, F.](#); [Alba-Bueno, F.](#); [Millan, M.S.](#) [Energy Distribution between Distance and Near Images in Apodized Diffractive Multifocal Intraocular Lenses](#). *Investigative Ophthalmology & Visual Science*, JUL, 2011, vol. 52, no. 8, pp. 5695-5701. ISSN 0146-0404.
Factor impacte 2011 = 3.597



198. Velasco, J.I.; Antunes, M.; Realinho, V.; Ardanuy, M. [Characterization of Rigid Polypropylene-Based Microcellular Foams Produced by Batch Foaming Processes](#). *Polymer Engineering and Science*, NOV, 2011, vol. 51, no. 11, pp. 2120-2128. ISSN 0032-3888.
Factor impacte 2011 = 1.302
199. Velez, N.; Carneiro, J.; Sole, R.V.; Goni, J.; Bragard, J.; Martinez-Forero, I.; Martinez-Pasamar, S.; Sepulcre, J.; Torrealdea, J.; Bagnato, F.; Garcia-Ojalvo, J.; Villoslada, P. [Modeling the Effector - Regulatory T Cell Cross-Regulation Reveals the Intrinsic Character of Relapses in Multiple Sclerosis](#). *BMC Systems Biology*, JUL 15, 2011, vol. 5, pp. 114. ISSN 1752-0509.
Factor impacte 2011 = 3.148
200. Vila, C.; Garcia-Barneto, A.; Fillat, A.; Vidal, T.; Ariza, J. Use of [Thermogravimetric Analysis to Monitor the Effects of Natural Laccase Mediators on Flax Pulp](#). *Bioresource Technology*, JUN, 2011, vol. 102, no. 11, pp. 6554-6561. ISSN 0960-8524.
Factor impacte 2011 = 4.980
201. Vila, N.; Sanchez-Soto, M.; Illescas, S. [Enhancement of POM Thermooxidation Resistance through POSS Nanoparticles](#). *Polymer Composites*, OCT, 2011, vol. 32, no. 10, pp. 1584-1592. ISSN 0272-8397.
Factor impacte 2011 = 1.231
202. Vincenti, M.A.; De Ceglia, D.; Roppo, V.; Scalora, M. [Harmonic Generation in Metallic, GaAs-Filled Nanocavities in the Enhanced Transmission Regime at Visible and UV Wavelengths](#). *Optics Express*, JAN 31, 2011, vol. 19, no. 3, pp. 2064-2078. ISSN 1094-4087.
Factor impacte 2011 = 3.587
203. Zaragoza, J.; Pou, J.; Arias, A.; Spiteri, C.; Robles, E.; Ceballos, S. [Study and Experimental Verification of Control Tuning Strategies in a Variable Speed Wind Energy Conversion System](#). *Renewable Energy*, MAY, 2011, vol. 36, no. 5, pp. 1421-1430. ISSN 0960-1481.
Factor impacte 2011 = 2.978
204. Gastelurrutia, P.; Nescolarde, L.; Rosell-Ferrer, J.; Domingo, M.; Ribas, N.; Bayes-Genis, A. [Bioelectrical Impedance Vector Analysis \(BIVA\) in Stable and Non-Stable Heart Failure Patients: A Pilot Study](#). *International Journal of Cardiology*, JAN 21, 2011, vol. 146, no. 2, pp. 262-264. ISSN 0167-5273.
Factor impacte 2011 = 7.078
205. Guisasola, L.; Tresserras-Gaju, R.; García-Subirats, I.; Rius, A. Brugulat-Guiteras, P. [Prevalencia y carga de defectos visuales en Cataluña](#). *Medicina Clínica*. DEC, 2011, Vol. 137, Suppl 2, pp. 22-26. ISSN 0025-7753
Factor impacte 2011 = 1.385
206. Knops, R.J.; Quintanilla, R. [Continuous Dependence on Elastic Moduli in the Motion of a Semi-Infinite Elastic Cylinder](#). *European Journal of Applied Mathematics*, AUG, 2011, vol. 22, pp. 347-363. ISSN 0956-7925.
Factor impacte 2011 = 1.022
207. Knops, R.J.; Quintanilla, R. [Spatial Behaviour in Pre-Stressed Constrained Elastic Cylinders](#). *Journal of Elasticity*, NOV, 2011, vol. 105, no. 1-2, pp. 1-27. ISSN 0374-3535.
Factor impacte 2011 = 1.110
208. Quintanilla, R.; Rajagopal, K.R. [Mathematical Results Concerning a Class of Incompressible Viscoelastic Solids of Differential Type](#). *Mathematics and Mechanics of Solids*, MAR, 2011, vol. 16, no. 2, pp. 217-227. ISSN 1081-2865.
Factor impacte 2011 = 1.012
209. Villar-Ribera, R.; Hernandez-Abad, F.; Rojas-Sola, J.I.; Hernandez-Diaz, D. [Agustin de Betancourt's Telegraph: Study and Virtual Reconstruction](#). *Mechanism and Machine Theory*, JUN, 2011, vol. 46, no. 6, pp. 820-830. ISSN 0094-114X.
Factor impacte 2011 = 1.366



Autors més prolífics



- 13 articles - [Vidal Lluçia](#), Teresa ([7](#), [12](#), [13](#), [14](#), [36](#), [58](#), [71](#), [81](#), [83](#), [124](#), [125](#), [196](#), [200](#))
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OPTICS EXPRESS	2
RENEWABLE ENERGY	2
SOLAR ENERGY MATERIALS AND SOLAR CELLS	2
TEXTILE RESEARCH JOURNAL	2



Articles amb més impacte



Kuchina, A.; Espinar, L.; Cagatay, T.; Balbin, A.O.; Zhang, F.; Alvarado, A.; [Garcia-Ojalvo, J.](#); ; Suel, G. [Temporal Competition between Differentiation Programs Determines Cell Fate Choice](#). *Molecular Systems Biology*, DEC, 2011, vol. 7, pp. 557 ISSN 1744-4292.

Factor impacte 2011 = 8.626

Dominguez-Juarez, J.L., Kozyreff, G.; [Martorell, J.](#) [Whispering Gallery Microresonators for Second Harmonic Light Generation from a Low Number of Small Molecules](#). *Nature Communications*, 2011, MAR, vol. 2, pp. 254 ISSN 2041-1723.

Factor impacte 2011 = 7.396

[Bonatto, C.](#); Feyereisen, M.; Barland, S.; Giudici, M.; [Masoller, C.](#); Rios, J.R.; Tredicce, J.R. [Deterministic Optical Rogue Waves](#). *Physical Review Letters*, JUL 29, 2011, vol. 107, no. 5, pp. 053901. ISSN 0031-9007.

Factor impacte 2011 = 7.370

Alonso, A.; Vigues, N.; Munoz-Berbel, X.; [Macanas, J.](#); Munoz, M.; Mas, J.; Muraviev, D.N. [Environmentally-Safe Bimetallic Ag@Co Magnetic Nanocomposites with Antimicrobial Activity](#). *Chemical Communications*, 2011, vol. 47, no. 37, pp. 10464-10466. ISSN 1359-7345.

Factor impacte 2011 = 6.169

Fuellekrug, M.; Roussel-Dupre, R.; Symbalisty, E.M.D.; Colman, J.J.; Chanrion, O.; Soula, S.; [Van der Velde, O.](#); Odzimek, A.; Bennett, A.J.; Pasko, V.P.; Neubert, T. [Relativistic Electron Beams Above Thunderclouds](#). *Atmospheric Chemistry and Physics*, 2011, vol. 11, no. 15, pp. 7747-7754. ISSN 1680-7316.

Factor impacte 2011 = 5.520

[Antunes, M.](#); [Mударra, M.](#); [Velasco, J.I.](#) [Broad-Band Electrical Conductivity of Carbon Nanofibre-Reinforced Polypropylene Foams](#). *Carbon*, FEB, 2011, vol. 49, no. 2, pp. 708-717. ISSN 0008-6223.

Factor impacte 2011 = 5.378

Kuchina, A.; [Espinar, L.](#); [Garcia-Ojalvo, J.](#); Suel, G.M. [Reversible and Noisy Progression Towards a Commitment Point Enables Adaptable and Reliable Cellular Decision-Making](#). *PLoS Computational Biology*, NOV, 2011, vol. 7, no. 11, pp. e1002273. ISSN 1553-734X.

Factor impacte 2011 = 5.215

Ceballos, S.; [Pou, J.](#); [Zaragoza, J.](#); Robles, E.; Villate, J.L.; Martin, J.L. [Fault-Tolerant Neutral-Point-Clamped Converter Solutions Based on Including a Fourth Resonant Leg](#). *IEEE Transactions on Industrial Electronics*, JUN, 2011, vol. 58, no. 6, pp. 2293-2303. ISSN 0278-0046.

Factor impacte 2011 = 5.160

Articles indexats publicats per investigadors del Campus Terrassa: 2011



[Delgado, M.](#); [Garcia Espinosa, A.](#); [Riba, J.R.](#); [Urresty, J.C.](#); [Ortega, J.A.](#) [Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension](#). *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1594-1605. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Luna, A.](#); [Lima, F.K.A.](#); [Santos, D.](#); [Rodriguez, P.](#); [Watanabe, E.H.](#); [Arnaltes, S.](#) [Simplified Modeling of a DFIG for Transient Studies in Wind Power Applications](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 9-20. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Mujal-Rosas, R.](#); [Orrit-Prat, J.](#) [General Analysis of the Three-Phase Asynchronous Motor with Spiral Sheet Rotor: Operation, Parameters, and Characteristic Values](#). *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1799-1811. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Munoz-Aguilar, R.S.](#); [Doria-Cerezo, A.](#); [Fossas, E.](#); [Cardoner, R.](#) [Sliding Mode Control of a Stand-Alone Wound Rotor Synchronous Generator](#). *IEEE Transactions on Industrial Electronics*, OCT, 2011, vol. 58, no. 10, pp. 4888-4897. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Robles, E.](#); [Pou, J.](#); [Ceballos, S.](#); [Zaragoza, J.](#); [Martin, J.L.](#); [Ibanez, P.](#) [Frequency-Adaptive Stationary-Reference-Frame Grid Voltage Sequence Detector for Distributed Generation Systems](#). *IEEE Transactions on Industrial Electronics*, SEP, 2011, vol. 58, no. 9, pp. 4275-4287. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Rodriguez, P.](#); [Luna, A.](#); [Candela, I.](#); [Mujal, R.](#); [Teodorescu, R.](#); [Blaabjerg, F.](#) [Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.

Factor impacte 2011 = 5.160

[Andreu, G.](#); [Vidal, T.](#) [Effects of Laccase-Natural Mediator Systems on Kenaf Pulp](#). *Bioresource Technology*, MAY, 2011, vol. 102, no. 10, pp. 5932-5937. ISSN 0960-8524.

Factor impacte 2011 = 4.980

[Aracri, E.](#); [Roncero, M.B.](#); [Vidal, T.](#) [Studying the Effects of Laccase-Catalysed Grafting of Ferulic Acid on Sisal Pulp Fibers](#). *Bioresource Technology*, AUG, 2011, vol. 102, no. 16, pp. 7555-7560. ISSN 0960-8524.

Factor impacte 2011 = 4.980

[Barneto, A.G.](#); [Valls, C.](#); [Ariza, J.](#); [Roncero, M.B.](#) [Thermogravimetry Study of Xylanase- and laccase/mediator-Treated Eucalyptus Pulp Fibres](#). *Bioresource Technology*, OCT, 2011, vol. 102, no. 19, pp. 9033-9039. ISSN 0960-8524.

Factor impacte 2011 = 4.980



[Cadena, E.M.](#); Du, X.; Gellerstedt, G.; Li, J.; [Fillat, A.](#); [Garcia-Ubasart, J.](#); [Vidal, T.](#); [Colom, J.F.](#) [On Hexenuronic Acid \(HexA\) Removal and Mediator Coupling to Pulp Fiber in the laccase/mediator Treatment](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 4, pp. 3911-3917. ISSN 0960-8524.

Factor impacte 2011 = 4.980

[Garcia-Ubasart, J.](#); Esteban, A.; Vila, C.; [Roncero, M.B.](#); [Colom, J.F.](#); [Vidal, T.](#) [Enzymatic Treatments of Pulp using Laccase and Hydrophobic Compounds](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 2799-2803. ISSN 0960-8524.

Factor impacte 2011 = 4.980

Moldes, D.; [Vidal, T.](#) [Reutilization of Effluents from Laccase-Mediator Treatments of Kraft Pulp for Biobleaching](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 3603-3606. ISSN 0960-8524.

Factor impacte 2011 = 4.980

Vila, C.; Garcia-Barneto, A.; [Fillat, A.](#); [Vidal, T.](#); Ariza, J. Use of [Thermogravimetric Analysis to Monitor the Effects of Natural Laccase Mediators on Flax Pulp](#). *Bioresource Technology*, JUN, 2011, vol. 102, no. 11, pp. 6554-6561. ISSN 0960-8524.

Factor impacte 2011 = 4.980

[De Lira, S.](#); [Puig, V.](#); [Quevedo, J.](#); Husar, A. [LPV Observer Design for PEM Fuel Cell System: Application to Fault Detection](#). *Journal of Power Sources*, MAY 1, 2011, vol. 196, no. 9, pp. 4298-4305. ISSN 0378-7753.

Factor impacte 2011 = 4.951

Toledo, D.; [Ramon, E.](#); Aguila, M.; Cordomi, A.; [Perez, J.J.](#); Mendes, H.F.; Cheetham, M.E.; [Garriga, P.](#) [Molecular Mechanisms of Disease for Mutations at Gly-90 in Rhodopsin](#). *Journal of Biological Chemistry*, NOV 18, 2011, vol. 286, no. 46, pp. 39993-40001. ISSN 0021-9258.

Factor impacte 2011 = 4.773

[Rocabert, J.](#); Azevedo, G.M.S.; [Luna, A.](#); [Guerrero, J.M.](#); [Candela, J.I.](#); [Rodriguez, P.](#) [Intelligent Connection Agent for Three-Phase Grid-Connected Microgrids](#). *IEEE Transactions on Power Electronics*, OCT, 2011, vol. 26, no. 10, pp. 2993-3005. ISSN 0885-8993.

Factor impacte 2011 = 4.650

Betancur, R.; Maymo, M.; Elias, X.; Vuong, L.T.; [Martorell, J.](#) [Sputtered NiO as Electron Blocking Layer in P3HT:PCBM Solar Cells Fabricated in Ambient Air](#). *Solar Energy Materials and Solar Cells*, FEB, 2011, vol. 95, no. 2, pp. 735-739. ISSN 0927-0248.

Factor impacte 2011 = 4.542

Ghosh, D.S.; Betancur, R.; Chen, T.L.; Pruneri, V.; [Martorell, J.](#) [Semi-Transparent Metal Electrode of Cu-Ni as a Replacement of an ITO in Organic Photovoltaic Cells](#). *Solar Energy Materials and Solar Cells*, APR, 2011, vol. 95, no. 4, pp. 1228-1231. ISSN 0927-0248.

Factor impacte 2011 = 4.542



[Navarro, A.; Cardellach, E.; Corbella, M. Immobilization of Cu, Pb and Zn in Mine-Contaminated Soils using Reactive Materials. *Journal of Hazardous Materials*, FEB 28, 2011, vol. 186, no. 2-3, pp. 1576-1585. ISSN 0304-3894.](#)

Factor impacte 2011 = 4.173

Sen, S.; [Garcia-Ojalvo, J.](#); Elowitz, M.B. [Dynamical Consequences of Bandpass Feedback Loops in a Bacterial Phosphorelay](#). *PLoS One*, SEP 29, 2011, vol. 6, no. 9, pp. e25102. ISSN 1932-6203.

Factor impacte 2011 = 4.092



Articles més citats

20 citacions - Betancur, R.; Maymo, M.; Elias, X.; Vuong, L.T.; [Martorell, J.](#) [Sputtered NiO as Electron Blocking Layer in P3HT:PCBM Solar Cells Fabricated in Ambient Air](#). *Solar Energy Materials and Solar Cells*, FEB, 2011, vol. 95, no. 2, pp. 735-739. ISSN 0927-0248.
Factor impacte 2011 = 4.542

19 citacions - [Rodriguez, P.](#); [Luna, A.](#); [Candela, I.](#); [Mujal, R.](#); Teodorescu, R.; Blaabjerg, F. [Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.
Factor impacte 2011 = 5.160

11 citacions - [Aracri, E.](#); [Vidal, T.](#) [Xylanase- and Laccase-Aided Hexenuronic Acids and Lignin Removal from Specialty Sisal Fibres](#). *Carbohydrate Polymers*, JAN 30, 2011, vol. 83, no. 3, pp. 1355-1362. ISSN 0144-8617.
Factor impacte 2011 = 3.628

11 citacions - [Cadena, E.M.](#); Du, X.; Gellerstedt, G.; Li, J.; [Fillat, A.](#); [Garcia-Ubasart, J.](#); [Vidal, T.](#); [Colom, J.F.](#) [On Hexenuronic Acid \(HexA\) Removal and Mediator Coupling to Pulp Fiber in the laccase/mediator Treatment](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 4, pp. 3911-3917. ISSN 0960-8524.
Factor impacte 2011 = 4.980

11 citacions - [Trull, J.](#); [Maigyte, L.](#); Mizeikis, V.; Malinauskas, M.; Juodkasis, S.; [Cojocar, C.](#); Rutkauskas, M.; Peckus, M.; Sirutkaitis, V.; [Staliunas, K.](#) [Formation of Collimated Beams Behind the Woodpile Photonic Crystal RID D-7071-2011](#). *Physical Review A*, SEP 9, 2011, vol. 84, no. 3, pp. 033812. ISSN 1050-2947.
Factor impacte 2011 = 2.878

8 citacions - [Bonatto, C.](#); Feyereisen, M.; Barland, S.; Giudici, M.; [Masoller, C.](#); Rios, J.R.; Tredicce, J.R. [Deterministic Optical Rogue Waves](#). *Physical Review Letters*, JUL 29, 2011, vol. 107, no. 5, pp. 053901. ISSN 0031-9007.
Factor impacte 2011 = 7.370

8 citacions - Dominguez-Juarez, J.L.; Kozyreff, G.; [Martorell, J.](#) [Whispering Gallery Microresonators for Second Harmonic Light Generation from a Low Number of Small Molecules](#). *Nature Communications*, 2011, MAR, vol. 2, pp. 254 ISSN 2041-1723.
Factor impacte 2011 = 7.396

8 citacions - [Fittipaldi, M.](#); [Codony, F.](#); [Adrados, B.](#); Camper, A.K.; [Morato, J.](#) [Viable Real-Time PCR in Environmental Samples: Can all Data be Interpreted Directly?](#). *Microbial Ecology*, JAN, 2011, vol. 61, no. 1, pp. 7-12. ISSN 0095-3628.
Factor impacte 2011 = 2.912



8 citacions - Kuchina, A.; Espinar, L.; Cagatay, T.; Balbin, A.O.; Zhang, F.; Alvarado, A.; [Garcia-Ojalvo, J.](#); ; Suel, G. [Temporal Competition between Differentiation Programs Determines Cell Fate Choice](#). *Molecular Systems Biology*, DEC, 2011, vol. 7, pp. 557 ISSN 1744-4292.

Factor impacte 2011 = 8.626

7 citacions - Sheng, Y.; Wang, W.J.; Shiloh, R.; [Roppo, V.](#); Kong, Y.F.; Arie, A.; Krolikowski, W. [Cerenkov Third-Harmonic Generation in Chi\(\(2\)\) Nonlinear Photonic Crystal](#). *Applied Physics Letters*, JUN 13, 2011, vol. 98, no. 24, pp. 241114. ISSN 0003-6951.

Factor impacte 2011 = 3.844

7 citacions - Vincenti, M.A.; De Ceglia, D.; [Roppo, V.](#); Scalora, M. [Harmonic Generation in Metallic, GaAs-Filled Nanocavities in the Enhanced Transmission Regime at Visible and UV Wavelengths](#). *Optics Express*, JAN 31, 2011, vol. 19, no. 3, pp. 2064-2078. ISSN 1094-4087.

Factor impacte 2011 = 3.587

6 citacions - [Luna, A.](#); Lima, F.K.A.; Santos, D.; [Rodriguez, P.](#); Watanabe, E.H.; Arnaltes, S. [Simplified Modeling of a DFIG for Transient Studies in Wind Power Applications](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 9-20. ISSN 0278-0046.

Factor impacte 2011 = 5.160

6 citacions - [Roppo, V.](#); Foreman, J.V.; Akozbek, N.; Vincenti, M.A.; Scalora, M. [Third Harmonic Generation at 223 Nm in the Metallic Regime of GaP](#). *Applied Physics Letters*, MAR 14, 2011, vol. 98, no. 11, pp. 111105. ISSN 0003-6951.

Factor impacte 2011 = 3.844

6 citacions - [Staliunas, K.](#) [Removal of Excitations of Bose-Einstein Condensates by Space- and Time-Modulated Potentials](#). *Physical Review A*, JUL 29, 2011, vol. 84, no. 1, pp. 013626. ISSN 1050-2947.

Factor impacte 2011 = 2.878

6 citacions - [Torrades, F.](#); Saiz, S.; [García-Hortal, J.A.](#) [Using Central Composite Experimental Design to Optimize the Degradation of Black Liquor by Fenton Reagent](#). *Desalination*, MAR 1, 2011, vol. 268, no. 1-3, pp. 97-102. ISSN 0011-9164.

Factor impacte 2011 = 2.590

5 citacions - Barreiro, M.; Marti, A.C.; [Masoller, C.](#) [Inferring Long Memory Processes in the Climate Network Via Ordinal Pattern Analysis](#). *Chaos*, MAR, 2011, vol. 21, no. 1, pp. 013101. ISSN 1054-1500.

Factor impacte 2011 = 2.076

5 citacions - [Borrito-Escuela, D.O.](#); Correia, P.A.; Romero-Fernandez, W.; Narvaez, M.; Fuxe, K.; Ciruela, F.; [Garriga, P.](#) [Muscarinic Receptor Family Interacting Proteins: Role in Receptor Function](#). *Journal of Neuroscience Methods*, FEB 15, 2011, vol. 195, no. 2, pp. 161-169. ISSN 0165-0270.

Factor impacte 2011 = 1.980



5 citacions - [Garcia-Ubasart](#), J.; Esteban, A.; Vila, C.; [Roncero](#), M.B.; [Colom](#), J.F.; [Vidal](#), T. [Enzymatic Treatments of Pulp using Laccase and Hydrophobic Compounds](#). *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 2799-2803. ISSN 0960-8524.
Factor impacte 2011 = 4.980

5 citacions - Ghosh, D.S.; Betancur, R.; Chen, T.L.; Pruneri, V.; [Martorell](#), J. [Semi-Transparent Metal Electrode of Cu-Ni as a Replacement of an ITO in Organic Photovoltaic Cells](#). *Solar Energy Materials and Solar Cells*, APR, 2011, vol. 95, no. 4, pp. 1228-1231. ISSN 0927-0248.
Factor impacte 2011 = 4.542

5 citacions - [Perez-Cabre](#), E.; Cho, M.J.; Javidi, B. [Information Authentication using Photon-Counting Double-Random-Phase Encrypted Images](#). *Optics Letters*, JAN 1, 2011, vol. 36, no. 1, pp. 22-24. ISSN 0146-9592.
Factor impacte 2011 = 3.399



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Articles més citats

2007-2011

150 citacions - Sagues, F.; Sancho, J.M.; [Garcia-Ojalvo, J.](#), 2007. [Spatiotemporal Order Out of Noise](#). *Reviews of Modern Physics*, JUL-SEP, vol. 79, no. 3, pp. 829-882 ISSN 0034-6861.

149 citacions - Sueel, G.M.; Kulkarni, R.P.; Dworkin, J.; [Garcia-Ojalvo, J.](#); Elowitz, M.B., 2007. [Tunability and Noise Dependence in Differentiation Dynamics](#). *Science*, MAR 23, vol. 315, no. 5819, pp. 1716-1719 ISSN 0036-8075.

123 citacions - [Rodriguez, P.](#); [Pou, J.](#); [Bergas, J.](#); [Candela, J.I.](#); Burgos, R.P.; Boroyevich, D., 2007. [Decoupled Double Synchronous Reference Frame PLL for Power Converters Control](#). *IEEE Transactions on Power Electronics*, MAR, vol. 22, no. 2, pp. 584-592 ISSN 0885-8993.

98 citacions - Kouro, S.; Malinowski, M.; Gopakumar, K.; [Pou, J.](#); Franquelo, L.G.; Wu, B.; Rodriguez, J.; Perez, M.A.; Leon, J.I., 2010. [Recent Advances and Industrial Applications of Multilevel Converters](#). *IEEE Transactions on Industrial Electronics*, AUG, vol. 57, no. 8, pp. 2553-2580 ISSN 0278-0046.

96 citacions - Kalmar, T.; Lim, C.; Hayward, P.; Munoz-Descalzo, S.; Nichols, J.; [Garcia-Ojalvo, J.](#); Arias, A.M., 2009. [Regulated Fluctuations in Nanog Expression Mediate Cell Fate Decisions in Embryonic Stem Cells](#). *PLOS Biology*, JUL, vol. 7, no. 7, pp. e1000149 ISSN 1544-9173.

77 citacions - Sprinzak, D.; Lakhanpal, A.; LeBon, L.; Santat, L.A.; Fontes, M.E.; Anderson, G.A.; [Garcia-Ojalvo, J.](#); Elowitz, M.B., 2010. [Cis-Interactions between Notch and Delta Generate Mutually Exclusive Signalling States](#). *Nature*, MAY 6, vol. 465, no. 7294, pp. 86-U95 ISSN 0028-0836.

73 citacions - Timbus, A.; Liserre, M.; Teodorescu, R.; [Rodriguez, P.](#); Blaabjerg, F., 2009. [Evaluation of Current Controllers for Distributed Power Generation Systems](#). *IEEE Transactions on Power Electronics*, MAR-APR, vol. 24, no. 3-4, pp. 654-664 ISSN 0885-8993.

70 citacions - [Rodriguez, P.](#); Timbus, A.V.; Teodorescu, R.; Liserre, M.; Blaabjerg, F., 2007. [Flexible Active Power Control of Distributed Power Generation Systems during Grid Faults](#). *IEEE Transactions on Industrial Electronics*, OCT, vol. 54, no. 5, pp. 2583-2592 ISSN 0278-0046.

66 citacions - Cagatay, T.; Turcotte, M.; Elowitz, M.B.; [Garcia-Ojalvo, J.](#); Suel, G.M., 2009. [Architecture-Dependent Noise Discriminates Functionally Analogous Differentiation Circuits](#). *Cell*, OCT 30, vol. 139, no. 3, pp. 512-522 ISSN 0092-8674.

54 citacions - [Valls, C.](#); [Roncero, M.B.](#), 2009. [Using both Xylanase and Laccase Enzymes for Pulp Bleaching](#). *Bioresource Technology*, MAR, vol. 100, no. 6, pp. 2032-2039 ISSN 0960-8524.



Autors més prolífics

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2007-2011



ABLANQUE, N., et al, 2010. Two-Phase Flow Distribution in Multiple Parallel Tubes. *International Journal of Thermal Sciences*, JUN, vol. 49, no. 6, pp. 909-921 ISSN 1290-0729. DOI 10.1016/j.ijthermalsci.2009.11.005.

ABLANQUE, N., RIGOLA, J., OLIET, C. and CASTRO, J., 2008. Critical Analysis of the Available Ammonia Horizontal in-Tube Flow Boiling Heat Transfer Correlations for Liquid Overfeed Evaporators. *Journal of Heat Transfer-Transactions of the Asme*, MAR, vol. 130, no. 3, pp. 034502 ISSN 0022-1481. DOI 10.1115/1.2804933.

ABRIL, H.C., MILLAN, M.S. and VALENCIA, E., 2008. Influence of the Wrinkle Perception with Distance in the Objective Evaluation of Fabric Smoothness. *Journal of Optics A-Pure and Applied Optics*, OCT, vol. 10, no. 10, pp. 104030 ISSN 1464-4258. DOI 10.1088/1464-4258/10/10/104030.

ABT, T., et al, 2011. Toughening of in Situ Polymerized Cyclic Butylene Terephthalate by Addition of Tetrahydrofuran. *Polymer International*, APR, vol. 60, no. 4, pp. 549-556 ISSN 0959-8103. DOI 10.1002/pi.2977.

ADRADOS, B., et al, 2011. Prevalence and Concentration of Non-Tuberculous Mycobacteria in Cooling Towers by Means of Quantitative PCR: A Prospective Study. *Current Microbiology*, JAN, vol. 62, no. 1, pp. 313-319 ISSN 0343-8651. DOI 10.1007/s00284-010-9706-2.

AGUDELO, R.M., et al, 2010. Monitoring Bacterial Faecal Contamination in Waters using Multiplex Real-Time PCR Assay for Bacteroides Spp. and Faecal Enterococci. *Water Sa*, JAN, vol. 36, no. 1, pp. 127-132 ISSN 0378-4738.

AGUILA, M., et al, 2009. Structural Coupling of 11-Cis-7-Methyl-Retinal and Amino Acids at the Ligand Binding Pocket of Rhodopsin. *Photochemistry and Photobiology*, MAR-APR, vol. 85, no. 2, pp. 485-493 ISSN 0031-8655. DOI 10.1111/j.1751-1097.2009.00535.x.

AGUSTI, G., et al, 2010. Viability Determination of Helicobacter Pylori using Propidium Monoazide Quantitative PCR. *Helicobacter*, OCT, vol. 15, no. 5, pp. 473-476 ISSN 1083-4389.

ALBA-BUENO, F., et al, 2009. Corneal Shape Changes Induced by First and Second Generation Silicone Hydrogel Contact Lenses in Daily Wear. *Contact Lens & Anterior Eye*, APR, vol. 32, no. 2, pp. 88-92 ISSN 1367-0484. DOI 10.1016/j.clae.2008.11.002.

ALBA-BUENO, F. and MILLAN, M.S., 2011. Defocus Correction in the Optical System of the Eye: Unconventional Degrees of Freedom. *Journal of Biomedical Optics*, JAN, vol. 16, no. 1, pp. 016010 ISSN 1083-3668. DOI 10.1117/1.3528619.



ALBAREDA-SAMBOLA, M., FERNANDEZ, E., HINOJOSA, Y. and PUERTO, J., 2010. The Single Period Coverage Facility Location Problem: Lagrangean Heuristic and Column Generation Approaches. *Top*, JUL, vol. 18, no. 1, pp. 43-61 ISSN 1134-5764. DOI 10.1007/s11750-009-0102-7.

ALBAREDA-SAMBOLA, M., FERNANDEZ, E. and SALDANHA-DA-GAMA, F., 2011. The Facility Location Problem with Bernoulli Demands. *Omega-International Journal of Management Science*, JUN, vol. 39, no. 3, pp. 335-345 ISSN 0305-0483. DOI 10.1016/j.omega.2010.08.002.

ALBETS-CHICO, X., OLIVA, A. and PEREZ-SEGARRA, C.D., 2008. Numerical Experiments in Turbulent Natural Convection using Two-Equation Eddy-Viscosity Models. *Journal of Heat Transfer-Transactions of the Asme*, JUL, vol. 130, no. 7, pp. 072501 ISSN 0022-1481. DOI 10.1115/1.2907432.

ALBETS-CHICO, X., PEREZ-SEGARRA, C.D., OLIVA, A. and BREDBERG, J., 2008. Analysis of Wall-Function Approaches using Two-Equation Turbulence Models. *International Journal of Heat and Mass Transfer*, SEP, vol. 51, no. 19-20, pp. 4940-4957 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2008.03.002.

ALGABA, I., PEPIO, M. and RIVA, A., 2007. Modelization of the Influence of Structural Parameters on the Ultraviolet Protection Factor Provided by Cellulosic Woven Fabrics. *Journal of the Textile Institute*, vol. 98, no. 4, pp. 293-300 ISSN 0040-5000. DOI 10.1080/00405000701475874.

ALGABA, I.M., PEPIO, M. and RIVA, A., 2008. Correlation between the Ultraviolet Protection Factor and the Weight and Thickness of Undyed Cellulosic Woven Fabrics. *Fibres & Textiles in Eastern Europe*, JAN-MAR, vol. 16, no. 1, pp. 85-89 ISSN 1230-3666.

ALGABA, I.M., PEPIO, M. and RIVA, A., 2007. Modelization of the Influence of the Treatment with Two Optical Brighteners on the Ultraviolet Protection Factor of Cellulosic Fabrics. *Industrial & Engineering Chemistry Research*, APR 25, vol. 46, no. 9, pp. 2677-2682 ISSN 0888-5885. DOI 10.1021/ie060723c.

ALGABA, I., RIVA, A. and PEPIO, M., 2007. Modelization of the Influence of the Wearing Conditions of the Garments on the Ultraviolet Protection Factor. *Textile Research Journal*, NOV, vol. 77, no. 11, pp. 826-836 ISSN 0040-5175. DOI 10.1177/0040517507080670.

AL-JABAREEN, A., ILLESCAS, S., MASPOCH, M.L. and SANTANA, O.O., 2010. Effects of Composition and Transesterification Catalysts on the Physico-Chemical and Dynamic Properties of PC/PET Blends Rich in PC. *Journal of Materials Science*, DEC, vol. 45, no. 24, pp. 6623-6633 ISSN 0022-2461. DOI 10.1007/s10853-010-4753-4.

AL-JABAREEN, A., ILLESCAS, S., MASPOCH, M.L. and SANTANA, O.O., 2010. Essential Work of Fracture Testing of PC-Rich PET/PC Blends with and without Transesterification Catalysts. *Journal of Materials Science*, JUN, vol. 45, no. 11, pp. 2907-2915 ISSN 0022-2461. DOI 10.1007/s10853-010-4282-1.



ALONSO, A., et al, 2011. Environmentally-Safe Bimetallic Ag@Co Magnetic Nanocomposites with Antimicrobial Activity. *Chemical Communications*, vol. 47, no. 37, pp. 10464-10466 ISSN 1359-7345. DOI 10.1039/c1cc13696h.

ALVAREZ, M.D., SANS, R., GARRIDO, N. and TORRES, A., 2008. Factors that Affect the Quality of the Bio-Waste Fraction of Selectively Collected Solid Waste in Catalonia. *Waste Management*, vol. 28, no. 2, pp. 359-366 ISSN 0956-053X. DOI 10.1016/j.wasman.2007.01.005.

ALVES, M.S., MUNOZ RIVERA, J.E. and QUINTANILLA, R., 2009. Exponential Decay in a Thermoelastic Mixture of Solids. *International Journal of Solids and Structures*, APR, vol. 46, no. 7-8, pp. 1659-1666 ISSN 0020-7683. DOI 10.1016/j.ijsolstr.2008.12.005.

AMANTE GARCIA, B., GONCALVES, M. and OLLE VERA, T., 2011. Life Cycle Assesment (LCA) Study of a Vehicle Wiring. *Afinidad*, SEP-OCT, vol. 68, no. 555, pp. 327-333 ISSN 0001-9704.

AMER, R. and GIMENEZ, J.M., 2008. A General Procedure to Compute Mixed Modified Semivalues for Cooperative Games with Structure of Coalition Blocks. *Mathematical Social Sciences*, SEP, vol. 56, no. 2, pp. 269-282 ISSN 0165-4896. DOI 10.1016/j.mathsocsci.2008.05.002.

AMER, R., GIMENEZ, J.M. and MAGANA, A., 2007. Accessibility in Oriented Networks. *European Journal of Operational Research*, JUL 16, vol. 180, no. 2, pp. 700-712 ISSN 0377-2217. DOI 10.1016/j.ejor.2006.04.027.

AMER, R. and MIGUEL GIMENEZ, J., 2009. Separability by Semivalues Modified for Games with Coalition Structure. *Rairo-Operations Research*, APR-JUN, vol. 43, no. 2, pp. 215-230 ISSN 0399-0559. DOI 10.1051/ro/2009013.

AMER, R. and MIGUEL GIMENEZ, J., 2007. Technical Note: Characterization of Binomial Semivalues through Delegation Games. *Naval Research Logistics*, SEP, vol. 54, no. 6, pp. 702-708 ISSN 0894-069X. DOI 10.1002/nav.20238.

AMER, R. and MIGUEL GIMENEZ, J., 2007. The Two-Person Blocks as a Way to Emphasize several Semivalues. *Mathematical Social Sciences*, MAR, vol. 53, no. 2, pp. 172-184 ISSN 0165-4896. DOI 10.1016/j.mathsocsci.2006.11.004.

ANA ARES-PEON, I., VILA, C., GARROTE, G. and CARLOS PARAJO, J., 2011. Enzymatic Hydrolysis of Autohydrolyzed Barley Husks. *Journal of Chemical Technology and Biotechnology*, FEB, vol. 86, no. 2, pp. 251-260 ISSN 0268-2575. DOI 10.1002/jctb.2511.

ANDREU, A., GIL, L. and ROCA, P., 2007. Computational Analysis of Masonry Structures with a Funicular Model. *Journal of Engineering Mechanics-Asce*, APR, vol. 133, no. 4, pp. 473-480 ISSN 0733-9399. DOI 10.1061/(ASCE)0733-9399(2007)133:4(473).

ANDREU, G. and VIDAL, T., 2011. Effects of Laccase-Natural Mediator Systems on Kenaf Pulp. *Bioresource Technology*, MAY, vol. 102, no. 10, pp. 5932-5937 ISSN 0960-8524. DOI 10.1016/j.biortech.2011.03.008.



ANTONIO DIAZ, J., PIZARRO, C. and ARASA, J., 2008. Single Dispersive Gradient-Index Profile for the Aging Human Lens. *Journal of the Optical Society of America A-Optics Image Science and Vision*, JAN, vol. 25, no. 1, pp. 250-261 ISSN 1084-7529. DOI 10.1364/JOSAA.25.000250.

ANTONIO LLAMAS, M., et al, 2011. RF-MEMS Uniplanar 180 Degrees Phase Switch Based on a Multimodal Air-Bridged CPW Cross. *IEEE Transactions on Microwave Theory and Techniques*, JUL, vol. 59, no. 7, pp. 1769-1777 ISSN 0018-9480. DOI 10.1109/TMTT.2011.2140125.

ANTONIO LLAMAS, M., et al, 2010. MEMS-Based 180 Degrees Phase Switch for Differential Radiometers. *IEEE Transactions on Microwave Theory and Techniques*, MAY, vol. 58, no. 5, pp. 1264-1272 ISSN 0018-9480. DOI 10.1109/TMTT.2010.2045558.

ANTONIO, F., et al, 2011. Cross-Linked Collagen Sponges Loaded with Plant Polyphenols with Inhibitory Activity Towards Chronic Wound Enzymes. *Biotechnology Journal*, OCT, vol. 6, no. 10, pp. 1208-1218 ISSN 1860-6768. DOI 10.1002/biot.201100194.

ANTUNES, M., et al, 2011. Mechanical Properties and Morphology of Multifunctional Polypropylene Foams. *Cellular Polymers*, vol. 30, no. 4, pp. 187-200 ISSN 0262-4893.

ANTUNES, M., REALINHO, V. and VELASCO, J.I., 2010. Foaming Behaviour, Structure, and Properties of Polypropylene Nanocomposites Foams. *Journal of Nanomaterials*, pp. 306384 ISSN 1687-4110. DOI 10.1155/2010/306384.

ANTUNES, M., VELASCO, J.I., REALINHO, V. and ARENCON, D., 2010. Characterization of Carbon Nanofibre-Reinforced Polypropylene Foams. *Journal of Nanoscience and Nanotechnology*, FEB, vol. 10, no. 2, pp. 1241-1250 ISSN 1533-4880. DOI 10.1166/jnn.2010.1831.

ANTUNES, M., CANO, A., HAURIE, L. and IGNACIO VELASCO, J., 2011. Esparto Wool as Reinforcement in Hybrid Polyurethane Composite Foams. *Industrial Crops and Products*, NOV, vol. 34, no. 3, pp. 1641-1648 ISSN 0926-6690. DOI 10.1016/j.indcrop.2011.06.016.

ANTUNES, M., IGNACIO VELASCO, J. and HAURIE, L., 2011. Characterization of Highly Filled Magnesium Hydroxide-Polypropylene Composite Foams. *Journal of Cellular Plastics*, JAN, vol. 47, no. 1, pp. 17-30 ISSN 0021-955X. DOI 10.1177/0021955X10370186.

ANTUNES, M., et al, 2009. Heat Transfer in Polypropylene-Based Foams Produced using Different Foaming Processes. *Advanced Engineering Materials*, OCT, vol. 11, no. 10, pp. 811-817 ISSN 1438-1656. DOI 10.1002/adem.200900129.

ANTUNES, M., IGNACIO VELASCO, J., REALINHO, V. and SOLORZANO, E., 2009. Study of the Cellular Structure Heterogeneity and Anisotropy of Polypropylene and Polypropylene Nanocomposite Foams. *Polymer Engineering and Science*, DEC, vol. 49, no. 12, pp. 2400-2413 ISSN 0032-3888. DOI 10.1002/pen.21488.

ANTUNES, M., MUDARRA, M. and IGNACIO VELASCO, J., 2011. Broad-Band Electrical Conductivity of Carbon Nanofibre-Reinforced Polypropylene Foams. *Carbon*, FEB, vol. 49, no. 2, pp. 708-717 ISSN 0008-6223. DOI 10.1016/j.carbon.2010.10.032.



ANTUNES, M., REALINHO, V. and IGNACIO VELASCO, J., 2010. Study of the Influence of the Pressure Drop Rate on the Foaming Behavior and Dynamic-Mechanical Properties of CO₂ Dissolution Microcellular Polypropylene Foams. *Journal of Cellular Plastics*, NOV, vol. 46, no. 6, pp. 551-571 ISSN 0021-955X. DOI 10.1177/0021955X10382609.

APARICIO, J., et al, 2011. Risk-Adapted Treatment in Clinical Stage I Testicular Seminoma: The Third Spanish Germ Cell Cancer Group Study. *Journal of Clinical Oncology*, DEC 10, vol. 29, no. 35, pp. 4677-4681 ISSN 0732-183X. DOI 10.1200/JCO.2011.36.0503.

ARACRI, E., BLANCA RONCERO, M. and VIDAL, T., 2011. Studying the Effects of Laccase-Catalysed Grafting of Ferulic Acid on Sisal Pulp Fibers. *Bioresource Technology*, AUG, vol. 102, no. 16, pp. 7555-7560 ISSN 0960-8524. DOI 10.1016/j.biortech.2011.05.046.

ARACRI, E., COLOM, J.F. and VIDAL, T., 2009. Application of Laccase-Natural Mediator Systems to Sisal Pulp: An Effective Approach to Biobleaching Or Functionalizing Pulp Fibres?. *Bioresource Technology*, DEC, vol. 100, no. 23, pp. 5911-5916 ISSN 0960-8524. DOI 10.1016/j.biortech.2009.06.016.

ARACRI, E., et al, 2010. Enzymatic Grafting of Simple Phenols on Flax and Sisal Pulp Fibres using Laccases. *Bioresource Technology*, NOV, vol. 101, no. 21, pp. 8211-8216 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.05.080.

ARACRI, E. and VIDAL, T., 2011. Xylanase- and Laccase-Aided Hexenuronic Acids and Lignin Removal from Specialty Sisal Fibres. *Carbohydrate Polymers*, JAN 30, vol. 83, no. 3, pp. 1355-1362 ISSN 0144-8617. DOI 10.1016/j.carbpol.2010.09.058.

ARACRI, E., VIDAL, T. and RAGAUSKAS, A.J., 2011. Wet Strength Development in Sisal Cellulose Fibers by Effect of a Laccase-TEMPO Treatment. *Carbohydrate Polymers*, APR 2, vol. 84, no. 4, pp. 1384-1390 ISSN 0144-8617. DOI 10.1016/j.carbpol.2011.01.046.

ARAGONESES, A., MUDARRA, M., BELANA, J. and DIEGO, J.A., 2008. Study of Dispersive Mobility in Polyimide by Surface Voltage Decay Measurements. *Polymer*, MAY 13, vol. 49, no. 10, pp. 2440-2443 ISSN 0032-3861. DOI 10.1016/j.polymer.2008.03.037.

ARDANUY, M., RODRIGUEZ-PEREZ, M.A. and ALGABA, I., 2011. Electrical Conductivity and Mechanical Properties of Vapor-Grown Carbon nanofibers/trifunctional Epoxy Composites Prepared by Direct Mixing. *Composites Part B-Engineering*, JUN, vol. 42, no. 4, pp. 675-681 ISSN 1359-8368. DOI 10.1016/j.compositesb.2011.02.006.

ARDANUY, M. and VELASCO, J.I., 2011. Mg-Al Layered Double Hydroxide Nanoparticles Evaluation of the Thermal Stability in Polypropylene Matrix. *Applied Clay Science*, FEB, vol. 51, no. 3, pp. 341-347 ISSN 0169-1317. DOI 10.1016/j.clay.2010.12.024.

ARDANUY, M., et al, 2010. Structure and Properties of Polypropylene/Hydrotalcite Nanocomposites. *Polymer Composites*, MAY, vol. 31, no. 5, pp. 870-878 ISSN 0272-8397. DOI 10.1002/pc.20869.



ARDANUY, M., et al, 2009. Influence of EMAA Compatibilizer on the Structure and Properties of HDPE/Hydrotalcite Nanocomposites Prepared by Melt Mixing. *Journal of Applied Polymer Science*, JUL 15, vol. 113, no. 2, pp. 950-958 ISSN 0021-8995. DOI 10.1002/app.30133.

ARDANUY, M., et al, 2008. Non-Isothermal Crystallization Kinetics and Activity of Filler in polypropylene/Mg-Al Layered Double Hydroxide Nanocomposites. *Thermochimica Acta*, DEC 5, vol. 479, no. 1-2, pp. 45-52 ISSN 0040-6031. DOI 10.1016/j.tca.2008.09.016.

ARDANUY, M., VELASCO, J.I., RODRIGUEZ-PEREZ, M.A. and DE SAJA, J.A., 2010. The Effect of Anionic Clay Particles on the Structure and Thermomechanical Behavior of Sodium Partially-Neutralized EMAA Ionomer. *Journal of Applied Polymer Science*, JUN 5, vol. 116, no. 5, pp. 2573-2579 ISSN 0021-8995. DOI 10.1002/app.31818.

ARDANUY, M., CLARAMUNT, J., ANTONIO GARCIA-HORTAL, J. and BARRA, M., 2011. Fiber-Matrix Interactions in Cement Mortar Composites Reinforced with Cellulosic Fibers. *Cellulose*, APR, vol. 18, no. 2, pp. 281-289 ISSN 0969-0239. DOI 10.1007/s10570-011-9493-3.

ARENCON, D., VELASCO, J.I., ARDANUY, M. and MARTINEZ, A.B., 2007. The Role of Poly(Ethylene Terephthalate-Co-Isophthalate) as Interfacial Agent in Polypropylene-Matrix Composites. *Journal of Materials Science*, APR, vol. 42, no. 8, pp. 2782-2791 ISSN 0022-2461. DOI 10.1007/s10853-006-0178-5.

ARENCON, D., et al, 2007. Essential Work of Fracture Analysis of Glass Micro Sphere-Filled Polypropylene and polypropylene/poly (Ethylene Terephthalate-co-Isophthalate) Blend-Matrix Composites. *Polymer Testing*, SEP, vol. 26, no. 6, pp. 761-769 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2007.03.009.

ARENCON, D., et al, 2007. Fracture Toughness of Glass Microsphere-Filled Polypropylene and polypropylene/poly (Ethylene Terephthalate-Co-Isophthalate) Blend-Matrix Composites. *Journal of Materials Science*, JAN, vol. 42, no. 1, pp. 19-29 ISSN 0022-2461. DOI 10.1007/s10853-006-1036-1.

ARENCON, D. and IGNACIO VELASCO, J., 2009. Fracture Toughness of Polypropylene-Based Particulate Composites. *Materials*, DEC, vol. 2, no. 4, pp. 2046-2094 ISSN 1996-1944. DOI 10.3390/ma2042046.

ARES, M., ROYO, S. and CAUM, J., 2007. Shack-Hartmann Sensor Based on a Cylindrical Microlens Array. *Optics Letters*, APR 1, vol. 32, no. 7, pp. 769-771 ISSN 0146-9592. DOI 10.1364/OL.32.000769.

ARES, M., ROYO, S., SERGIEVSKAYA, I. and RIU, J., 2010. Active Optics Null Test System Based on a Liquid Crystal Programmable Spatial Light Modulator. *Applied Optics*, NOV 10, vol. 49, no. 32, pp. 6201-6206 ISSN 0003-6935.

ARIAS, A., et al, 2007. Elimination of Waveform Distortions in Matrix Converters using a New Dual Compensation Method. *IEEE Transactions on Industrial Electronics*, AUG, vol. 54, no. 4, pp. 2079-2087 ISSN 0278-0046. DOI 10.1109/TIE.2007.895142.



ARIAS, A., et al, 2007. Angle Estimation for Permanent Magnet Synchronous Machines using Matrix Converters. *Przegląd Elektrotechniczny*, vol. 83, no. 10, pp. 84-88 ISSN 0033-2097.

ARTUS, P., DURSTELER, J.C. and MARTINEZ, A.B., 2008. Low-Energy Dynamic Indentation Method for Analysis of Ophthalmic Materials. *Optometry and Vision Science*, JAN, vol. 85, no. 1, pp. 49-53 ISSN 1040-5488.

ASIMINOAEI, L., RODRIGUEZ, P. and BLAABJERG, F., 2008. Application of Discontinuous PWM Modulation in Active Power Filters. *Ieee Transactions on Power Electronics*, JUL, vol. 23, no. 4, pp. 1692-1706 ISSN 0885-8993. DOI 10.1109/TPEL.2008.924599.

ASIMINOAEI, L., RODRIGUEZ, P., BLAABJERG, F. and MALINOWSKI, M., 2008. Reduction of Switching Losses in Active Power Filters with a New Generalized Discontinuous-PWM Strategy. *IEEE Transactions on Industrial Electronics*, JAN, vol. 55, no. 1, pp. 467-471 ISSN 0278-0046. DOI 10.1109/TIE.2007.896554.

AURREKOETXEA, J., et al, 2011. Effect of Superelastic Shape Memory Alloy Wires on the Impact Behavior of Carbon Fiber Reinforced in Situ Polymerized Poly(Butylene Terephthalate) Composites. *Materials Letters*, MAR 15, vol. 65, no. 5, pp. 863-865 ISSN 0167-577X. DOI 10.1016/j.matlet.2010.12.020.

BALASTEGUI, A., CANAL, R. and RUIZ-LAPUENTE, P., 2011. Estimating the Rate and Luminosity Function of all Classes of GRBs. *Astronomy Reports*, OCT, vol. 55, no. 10, pp. 867-877 ISSN 1063-7729. DOI 10.1134/S1063772911100039.

BALASTEGUI, A., CANAL, R. and RUIZ-LAPUENTE, P., 2010. Measuring Omega(M) and Omega(Lambda) with Long-Duration Gamma-Ray Bursts. *Astronomische Nachrichten*, SEP, vol. 331, no. 8, pp. 837-842 ISSN 0004-6337. DOI 10.1002/asna.201011406.

BALDELLI, D.H., LEE, D., SANCHEZ PENA, R.S. and CANNON, B., 2008. Modeling and Control of an Aeroelastic Morphing Vehicle. *Journal of Guidance Control and Dynamics*, NOV-DEC, vol. 31, no. 6, pp. 1687-1699 ISSN 0731-5090. DOI 10.2514/1.35445.

BALENZUELA, P., et al, 2007. Ghost Resonance in a Pool of Heterogeneous Neurons. *Biosystems*, MAY-JUN, vol. 89, no. 1-3, pp. 166-172 ISSN 0303-2647. DOI 10.1016/j.biosystems.2006.04.014.

BARATA, C., et al, 2007. Life-History Responses of Daphnia Magna Straus to Binary Mixtures of Toxic Substances: Pharmacological Versus Ecotoxicological Modes of Action. *Aquatic Toxicology*, OCT 30, vol. 84, no. 4, pp. 439-449 ISSN 0166-445X. DOI 10.1016/j.aquatox.2007.07.004.

BARATA, C., et al, 2007. Combined use of Biomarkers and in Situ Bioassays in Daphnia Magna to Monitor Environmental Hazards of Pesticides in the Field. *Environmental Toxicology and Chemistry*, FEB, vol. 26, no. 2, pp. 370-379 ISSN 0730-7268. DOI 10.1897/06-209R.1.



BARNETO, A.G., VALLS, C., ARIZA, J. and RONCERO, M.B., 2011. Thermogravimetry Study of Xylanase- and laccase/mediator-Treated Eucalyptus Pulp Fibres. *Bioresource Technology*, OCT, vol. 102, no. 19, pp. 9033-9039 ISSN 0960-8524. DOI 10.1016/j.biortech.2011.07.061.

BARNETO, A.G., VILA, C. and ARIZA, J., 2011. Eucalyptus Kraft Pulp Production: Thermogravimetry Monitoring. *Thermochimica Acta*, JUN 10, vol. 520, no. 1-2, pp. 110-120 ISSN 0040-6031. DOI 10.1016/j.tca.2011.03.027.

BARREIRO, M., MARTI, A.C. and MASOLLER, C., 2011. Inferring Long Memory Processes in the Climate Network Via Ordinal Pattern Analysis. *Chaos*, MAR, vol. 21, no. 1, pp. 013101 ISSN 1054-1500. DOI 10.1063/1.3545273.

BARTUMEUS, F., et al, 2008. Superdiffusion and Encounter Rates in Diluted, Low Dimensional Worlds. *European Physical Journal-Special Topics*, APR, vol. 157, pp. 157-166 ISSN 1951-6355. DOI 10.1140/epjst/e2008-00638-6.

BASTO, C., TZANOV, T. and CAVACO-PAULO, A., 2007. Combined Ultrasound-Laccase Assisted Bleaching of Cotton. *Ultrasonics Sonochemistry*, MAR, vol. 14, no. 3, pp. 350-354 ISSN 1350-4177. DOI 10.1016/j.ultsonch.2006.07.006.

BECH, J., et al, 2011. A Mediterranean Nocturnal Heavy Rainfall and Tornadic Event. Part I: Overview, Damage Survey and Radar Analysis. *Atmospheric Research*, JUN, vol. 100, no. 4, pp. 621-637 ISSN 0169-8095. DOI 10.1016/j.atmosres.2010.12.024.

BELANA, J., et al, 2011. Study of an Initial Transient Relaxation in XLPE Cable Insulation by TSDC and PEA. *IEEE Transactions on Dielectrics and Electrical Insulation*, DEC, vol. 18, no. 6, pp. 2074-2082 ISSN 1070-9878. DOI 10.1109/TDEI.2011.6118646.

BERBEL, N., FERNANDEZ, R. and GIL, I., 2009. Modelling and Experimental Verification of the Impact of Negative Bias Temperature Instability on CMOS Inverter. *Microelectronics Reliability*, SEP-NOV, vol. 49, no. 9-11, pp. 1048-1051 ISSN 0026-2714. DOI 10.1016/j.microrel.2009.06.027.

BERBEL, N., et al, 2011. Experimental Verification of the Usefulness of the Nth Power Law MOSFET Model Under Hot Carrier Wearout. *Microelectronics Reliability*, SEP-NOV, vol. 51, no. 9-11, pp. 1564-1567 ISSN 0026-2714. DOI 10.1016/j.microrel.2011.06.041.

BERGADA, J.M., HAYNES, J.M. and WATTON, J., 2008. Leakage and Groove Pressure of an Axial Piston Pump Slipper with Multiple Lands. *Tribology Transactions*, vol. 51, no. 4, pp. 469-482 ISSN 1040-2004. DOI 10.1080/10402000802044332.

BERGADA, J.M., VALENCIA, E. and COLL, L., 2007. Flow Characterization in Cylinders for Pneumatic Spinning. *Textile Research Journal*, FEB, vol. 77, no. 2, pp. 67-76 ISSN 0040-5175. DOI 10.1177/0040517507078749.

BERGADA, J.M., WATTON, J., HAYNES, J.M. and DAVIES, D.L., 2010. The hydrostatic/hydrodynamic Behaviour of an Axial Piston Pump Slipper with Multiple Lands.



Meccanica, AUG, vol. 45, no. 4, pp. 585-602 ISSN 0025-6455. DOI 10.1007/s11012-009-9277-0.

BERGADA, J.M., WATTON, J. and KUMAR, S., 2008. Pressure, Flow, Force, and Torque between the Barrel and Port Plate in an Axial Piston Pump. *Journal of Dynamic Systems Measurement and Control-Transactions of the Asme*, JAN, vol. 130, no. 1, pp. 011011 ISSN 0022-0434. DOI 10.1115/1.2807183.

BETANCUR, R., et al, 2011. Sputtered NiO as Electron Blocking Layer in P3HT:PCBM Solar Cells Fabricated in Ambient Air. *Solar Energy Materials and Solar Cells*, FEB, vol. 95, no. 2, pp. 735-739 ISSN 0927-0248. DOI 10.1016/j.solmat.2010.10.014.

BIANCHI, F.D., DE BATTISTA, H. and MANTZ, R.J., 2008. Optimal Gain-Scheduled Control of Fixed-Speed Active Stall Wind Turbines. *Iet Renewable Power Generation*, DEC, vol. 2, no. 4, pp. 228-238 ISSN 1752-1416. DOI 10.1049/iet-rpg:20070106.

BIANCHI, F.D. and SANCHEZ-PENA, R.S., 2010. A Novel Design Approach for Switched LPV Controllers. *International Journal of Control*, vol. 83, no. 8, pp. 1710-1717 ISSN 0020-7179. DOI 10.1080/00207179.2010.490599.

BIANCHI, F.D. and SANCHEZ-PENA, R.S., 2010. Robust identification/invalidation in an LPV Framework. *International Journal of Robust and Nonlinear Control*, FEB, vol. 20, no. 3, pp. 301-312 ISSN 1049-8923. DOI 10.1002/rnc.1430.

BIZARRIA, M.T.M., et al, 2007. Morphology and Thermomechanical Properties of Recycled PET-Organoclay Nanocomposites. *Journal of Applied Polymer Science*, MAY 5, vol. 104, no. 3, pp. 1839-1844 ISSN 0021-8995. DOI 10.1002/APP.25836.

BLESA, J., PUIG, V. and SALUDES, J., 2011. Identification for Passive Robust Fault Detection using Zonotope-Based Set-Membership Approaches. *International Journal of Adaptive Control and Signal Processing*, SEP, vol. 25, no. 9, pp. 788-812 ISSN 0890-6327. DOI 10.1002/acs.1242.

BOGARRA, S., FONT, A., CANDELA, I. and PEDRA, J., 2009. Parameter Estimation of a Transformer with Saturation using Inrush Measurements. *Electric Power Systems Research*, FEB, vol. 79, no. 2, pp. 417-425 ISSN 0378-7796. DOI 10.1016/j.epsr.2008.08.009.

BOHN, A. and GARCIA-OJALVO, J., 2008. Synchronization of Coupled Biological Oscillators Under Spatially Heterogeneous Environmental Forcing. *Journal of Theoretical Biology*, JAN 7, vol. 250, no. 1, pp. 37-47 ISSN 0022-5193. DOI 10.1016/j.jtbi.2007.09.036.

BONATTO, C., et al, 2011. Deterministic Optical Rogue Waves. *Physical Review Letters*, JUL 29, vol. 107, no. 5, pp. 053901 ISSN 0031-9007. DOI 10.1103/PhysRevLett.107.053901.

BORRELL, R., LEHMKUHL, O., TRIAS, F.X. and OLIVA, A., 2011. Parallel Direct Poisson Solver for Discretisations with One Fourier Diagonalisable Direction. *Journal of Computational Physics*, JUN 1, vol. 230, no. 12, pp. 4723-4741 ISSN 0021-9991. DOI 10.1016/j.jcp.2011.02.042.



BORROTO-ESCUELA, D.O., et al, 2011. Muscarinic Receptor Family Interacting Proteins: Role in Receptor Function. *Journal of Neuroscience Methods*, FEB 15, vol. 195, no. 2, pp. 161-169 ISSN 0165-0270. DOI 10.1016/j.jneumeth.2010.11.025.

BORROTO-ESCUELA, D.O., et al, 2010. The M-5 Muscarinic Acetylcholine Receptor Third Intracellular Loop Regulates Receptor Function and Oligomerization. *Biochimica Et Biophysica Acta-Molecular Cell Research*, JUL, vol. 1803, no. 7, pp. 813-825 ISSN 0167-4889. DOI 10.1016/j.bbamcr.2010.04.002.

BORROTO-ESCUELA, D.O., et al, 2011. Dissecting the Conserved NPxxY Motif of the M-3 Muscarinic Acetylcholine Receptor: Critical Role of Asp-7.49 for Receptor Signaling and Multiprotein Complex Formation. *Cellular Physiology and Biochemistry*, vol. 28, no. 5, pp. 1009-1022 ISSN 1015-8987. DOI 10.1159/000335788.

BOSCH-FUSTE, J., et al, 2007. Volatile Profiles of Sparkling Wines obtained by Three Extraction Methods and Gas Chromatography Mass Spectrometry (GC-MS) Analysis. *Food Chemistry*, vol. 105, no. 1, pp. 428-435 ISSN 0308-8146. DOI 10.1016/j.foodchem.2006.12.053.

BOSCH-PRESEGUE, L., et al, 2011. Hydrophobic Amino Acids at the Cytoplasmic Ends of Helices 3 and 6 of Rhodopsin Conjointly Modulate Transducin Activation. *Archives of Biochemistry and Biophysics*, FEB 15, vol. 506, no. 2, pp. 142-149 ISSN 0003-9861. DOI 10.1016/j.abb.2010.11.019.

BOSCH-PRESEGUE, L., et al, 2011. Alterations in the Photoactivation Pathway of Rhodopsin Mutants Associated with Retinitis Pigmentosa. *Febs Journal*, MAY, vol. 278, no. 9, pp. 1493-1505 ISSN 1742-464X. DOI 10.1111/j.1742-4658.2011.08066.x.

BOTEY, M., HERRERO, R. and STALIUNAS, K., 2010. Light in Materials with Periodic Gain-Loss Modulation on a Wavelength Scale. *Physical Review a*, JUL 22, vol. 82, no. 1, pp. 013828 ISSN 1050-2947. DOI 10.1103/PhysRevA.82.013828.

BOZIC, M., et al, 2009. Voltametric Monitoring of Enzyme-Mediated Indigo Reduction in the Presence of various Fibre Materials. *Enzyme and Microbial Technology*, OCT 7, vol. 45, no. 4, pp. 317-323 ISSN 0141-0229. DOI 10.1016/j.enzmictec.2009.05.009.

BRAVO-ABAD, J., VIDAL, X., DOMINGUEZ JUAREZ, J.L. and MARTORELL, J., 2010. Optical Second-Harmonic Scattering from a Non-Diffusive Random Distribution of Nonlinear Domains. *Optics Express*, JUN 21, vol. 18, no. 13, pp. 14202-14211 ISSN 1094-4087.

BUCKUP, T., HAUER, J., SERRAT, C. and MOTZKUS, M., 2008. Control of Excited-State Population and Vibrational Coherence with Shaped-Resonant and Near-Resonant Excitation. *Journal of Physics B-Atomic Molecular and Optical Physics*, APR 14, vol. 41, no. 7, pp. 074024 ISSN 0953-4075. DOI 10.1088/0953-4075/41/7/074024.

BULDU, J.M., GARCIA-OJALVO, J., WAGEMAKERS, A. and SANJUAN, M.A.F., 2007. Electronic Design of Synthetic Genetic Networks. *International Journal of Bifurcation and Chaos*, OCT, vol. 17, no. 10, pp. 3507-3511 ISSN 0218-1274. DOI 10.1142/S0218127407019275.



BULDU, J.M., TORRENT, M.C. and GARCIA-OJALVO, J., 2007. Synchronization in Semiconductor Laser Rings. *Journal of Lightwave Technology*, JUN, vol. 25, no. 6, pp. 1549-1554 ISSN 0733-8724. DOI 10.1109/JLT.2007.895555.

BURGOS, R., et al, 2008. Space Vector Modulator for Vienna-Type Rectifiers Based on the Equivalence between Two- and Three-Level Converters: A Carrier-Based Implementation. *Ieee Transactions on Power Electronics*, JUL, vol. 23, no. 4, pp. 1888-1898 ISSN 0885-8993. DOI 10.1109/TPEL.2008.925180.

BUSCA, C., et al, 2011. An Overview of the Reliability Prediction Related Aspects of High Power IGBTs in Wind Power Applications. *Microelectronics Reliability*, SEP-NOV, vol. 51, no. 9-11, pp. 1903-1907 ISSN 0026-2714. DOI 10.1016/j.microrel.2011.06.053.

BUSCHBECK, M., et al, 2009. The Histone Variant macroH2A is an Epigenetic Regulator of Key Developmental Genes. *Nature Structural & Molecular Biology*, OCT, vol. 16, no. 10, pp. 1074-U95 ISSN 1545-9985. DOI 10.1038/nsmb.1665.

CADAFALCH, J., 2009. A Detailed Numerical Model for Flat-Plate Solar Thermal Devices. *Solar Energy*, DEC, vol. 83, no. 12, pp. 2157-2164 ISSN 0038-092X. DOI 10.1016/j.solener.2009.08.013.

CADENA, E.M., GARCIA, J., VIDAL, T. and TORRES, A.L., 2009. Determination of Zeta Potential and Cationic Demand in ECF and TCF Bleached Pulp from Eucalyptus and Flax. Influence of Measuring Conditions. *Cellulose*, JUN, vol. 16, no. 3, pp. 491-500 ISSN 0969-0239. DOI 10.1007/s10570-009-9275-3.

CADENA, E.M., et al, 2010. Use of Cellulases and Recombinant Cellulose Binding Domains for Refining TCF Kraft Pulp. *Biotechnology Progress*, JUL-AUG, vol. 26, no. 4, pp. 960-967 ISSN 8756-7938. DOI 10.1002/btpr.411.

CADENA, E.M., et al, 2011. On Hexenuronic Acid (HexA) Removal and Mediator Coupling to Pulp Fiber in the laccase/mediator Treatment. *Bioresource Technology*, FEB, vol. 102, no. 4, pp. 3911-3917 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.11.127.

CADENA, E.M., VIDAL, T. and TORRES, A.L., 2010. Can the Laccase Mediator System Affect the Chemical and Refining Properties of the Eucalyptus Pulp?. *Bioresource Technology*, NOV, vol. 101, no. 21, pp. 8199-8204 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.05.052.

CADENA, E.M., VIDAL, T. and TORRES, A.L., 2010. Influence of the Hexenuronic Acid Content on Refining and Ageing in Eucalyptus TCF Pulp. *Bioresource Technology*, MAY, vol. 101, no. 10, pp. 3554-3560 ISSN 0960-8524. DOI 10.1016/j.biortech.2009.11.105.

CAGATAY, T., et al, 2009. Architecture-Dependent Noise Discriminates Functionally Analogous Differentiation Circuits. *Cell*, OCT 30, vol. 139, no. 3, pp. 512-522 ISSN 0092-8674. DOI 10.1016/j.cell.2009.07.046.



CALAFELL, M., et al, 2007. Bio-Catalyzed Coloration of Cellulose Fibers. *Biocatalysis and Biotransformation*, vol. 25, no. 2-4, pp. 336-340 ISSN 1024-2422. DOI 10.1080/10242420701379874.

CALBET, A., SAIZ, E. and BARATA, C., 2007. Lethal and Sublethal Effects of Naphthalene and 1,2-Dimethylnaphthalene on the Marine Copepod *Paracartia Grani*. *Marine Biology*, MAR, vol. 151, no. 1, pp. 195-204 ISSN 0025-3162. DOI 10.1007/s00227-006-0468-0.

CALDERER, M., et al, 2010. Modelling Enhanced Groundwater Denitrification in Batch Microcosm Tests. *Chemical Engineering Journal*, NOV 15, vol. 165, no. 1, pp. 2-9 ISSN 1385-8947. DOI 10.1016/j.cej.2010.08.042.

CALLEJA, A., et al, 2011. High Temperature Transformation of Electrospun BaZrO₃ Nanotubes into Nanoparticle Chains. *Crystengcomm*, vol. 13, no. 24, pp. 7224-7230 ISSN 1466-8033. DOI 10.1039/c1ce05108c.

CANAL, C., et al, 2008. Effects of Low Temperature Plasma on Wool and wool/nylon Blend Dyed Fabrics. *Fibers and Polymers*, JUN, vol. 9, no. 3, pp. 293-300 ISSN 1229-9197. DOI 10.1007/s12221-008-0047-8.

CANAVATE, J., et al, 2010. The use of Waxes and Wetting Additives to Improve Compatibility between HDPE and Ground Tyre Rubber. *Journal of Composite Materials*, MAY, vol. 44, no. 10, pp. 1233-1245 ISSN 0021-9983. DOI 10.1177/0021998309351602.

CANAVATE, J., et al, 2011. Effect of Devulcanized Pretreatments and Additives Composite Materials with HDPR Matrix and used Tires. *Afinidad*, JAN-FEB, vol. 68, no. 551, pp. 25-32 ISSN 0001-9704.

CANAVATE, J., CASAS, P., COLOM, X. and NOGUES, F., 2011. Formulations for Thermoplastic Vulcanizates Based on High Density Polyethylene, Ethylene-Propylene-Diene Monomer, and Ground Tyre Rubber. *Journal of Composite Materials*, JUN, vol. 45, no. 11, pp. 1189-1200 ISSN 0021-9983. DOI 10.1177/0021998310369596.

CANDAL, M.V., GORDILLO, A., SANTANA, O.O. and SANCHEZ, J.J., 2008. Study of the Adhesion Strength on Overmoulded Plastic Materials using the Essential Work of Interfacial Fracture (EWIF) Concept. *Journal of Materials Science*, AUG, vol. 43, no. 15, pp. 5052-5060 ISSN 0022-2461. DOI 10.1007/s10853-008-2667-1.

CAPDEVILA, R., PEREZ-SEGARRA, C.D. and OLIVA, A., 2010. Development and Comparison of Different Spatial Numerical Schemes for the Radiative Transfer Equation Resolution using Three-Dimensional Unstructured Meshes. *Journal of Quantitative Spectroscopy & Radiative Transfer*, JAN, vol. 111, no. 2, pp. 264-273 ISSN 0022-4073. DOI 10.1016/j.jqsrt.2009.06.020.

CARBONELL, D., OLIVA, A. and PEREZ-SEGARRA, C.D., 2009. Implementation of Two-Equation Soot Flamelet Models for Laminar Diffusion Flames. *Combustion and Flame*, MAR, vol. 156, no. 3, pp. 621-632 ISSN 0010-2180. DOI 10.1016/j.combustflame.2008.12.003.



CARBONELL, D., PEREZ-SEGARRA, C.D., COELHO, P.J. and OLIVA, A., 2009. Flamelet Mathematical Models for Non-Premixed Laminar Combustion. *Combustion and Flame*, FEB, vol. 156, no. 2, pp. 334-347 ISSN 0010-2180. DOI 10.1016/j.combustflame.2008.07.011.

CARDONA, G., et al, 2011. Blink Rate, Blink Amplitude, and Tear Film Integrity during Dynamic Visual Display Terminal Tasks. *Current Eye Research*, MAR, vol. 36, no. 3, pp. 190-197 ISSN 0271-3683. DOI 10.3109/02713683.2010.544442.

CARDONA, G. and ISERN, R., 2011. Topography-Based Rigid Gas Permeable Lens Fitting in Normal Corneas: The Relevance of Eyelid and Tear Film Attributes. *Eye & Contact Lens-Science and Clinical Practice*, NOV, vol. 37, no. 6, pp. 359-364 ISSN 1542-2321. DOI 10.1097/ICL.0b013e318232e431.

CARDONA, G. and LUIS SAONA-SANTOS, C., 2010. Corneal Thinning Associated with Recurrent Microbial Keratitis Resulting from 7-Day Extended Wear of Low Dk Hydrogel Contact Lenses: A Case Report. *Contact Lens & Anterior Eye*, FEB, vol. 33, no. 1, pp. 30-32 ISSN 1367-0484. DOI 10.1016/j.clae.2009.10.001.

CARDONA, G., et al, 2010. Temporal Stability in the Perception of Dry Eye Ocular Discomfort Symptoms. *Optometry and Vision Science*, DEC, vol. 87, no. 12, pp. 1023-1029 ISSN 1040-5488. DOI 10.1097/OPX.0b013e3181ff99ab.

CARDONA, G. and SERES, C., 2009. Grading Contact Lens Complications: The Effect of Knowledge on Grading Accuracy. *Current Eye Research*, vol. 34, no. 12, pp. 1074-1081 ISSN 0271-3683. DOI 10.3109/02713680903340746.

CARDONA, G., SERES, C., QUEVEDO, L. and AUGÉ, M., 2011. Knowledge and use of Tear Film Evaluation Tests by Spanish Practitioners. *Optometry and Vision Science*, SEP, vol. 88, no. 9, pp. 1106-1111 ISSN 1040-5488. DOI 10.1097/OPX.0b013e3182231b1a.

CARLOS CANTE, J., et al, 2011. Flow Regime Analyses during the Filling Stage in Powder Metallurgy Processes: Experimental Study and Numerical Modelling. *Granular Matter*, FEB, vol. 13, no. 1, pp. 79-92 ISSN 1434-5021. DOI 10.1007/s10035-010-0225-4.

CARME LESEDUARTE, M., MAGANA, A. and QUINTANILLA, R., 2010. On the Time Decay of Solutions in Porous-Thermo-Elasticity of Type II. *Discrete and Continuous Dynamical Systems-Series B*, MAR, vol. 13, no. 2, pp. 375-391 ISSN 1531-3492. DOI 10.3934/dcdsb.2010.13.375.

CARRASCO, F. and PAGES, P., 2008. Thermal Degradation and Stability of Epoxy Nanocomposites: Influence of Montmorillonite Content and Cure Temperature. *Polymer Degradation and Stability*, MAY, vol. 93, no. 5, pp. 1000-1007 ISSN 0141-3910. DOI 10.1016/j.polymdegradstab.2008.01.018.

CARRASCO, F., PAGES, P., BARAHONA, F.J. and LACORTE, T., 2007. Kinetic Study of the Curing of a Trifunctional Epoxy Resin with Montmorillonite Nanoparticles. *Afinidad*, NOV-DEC, vol. 64, no. 532, pp. 688-695 ISSN 0001-9704.



CARRASCO, F., et al, 2010. Processing of Poly(Lactic Acid): Characterization of Chemical Structure, Thermal Stability and Mechanical Properties. *Polymer Degradation and Stability*, FEB, vol. 95, no. 2, pp. 116-125 ISSN 0141-3910. DOI 10.1016/j.polymdegradstab.2009.11.045.

CARRERA-GALLISSA, E. and CAPDEVILA, X., 2011. Textile-Related Research in Spain: A Case Study Applying Micro Bibliometric Indicators. *Revista Espanola De Documentacion Cientifica*, vol. 34, no. 4, pp. 581-596 ISSN 0210-0614. DOI 10.3989/redc.2011.4.832.

CARRERAS, F., 2009. Protectionism and Blocking Power Indices. *Top*, JUL, vol. 17, no. 1, pp. 70-84 ISSN 1134-5764. DOI 10.1007/s11750-009-0084-5.

CARRERAS, F., DOLORS LLONGUERAS, M. and ALBINA PUENTE, M., 2009. Partnership Formation and Binomial Semivalues. *European Journal of Operational Research*, JAN 16, vol. 192, no. 2, pp. 487-499 ISSN 0377-2217. DOI 10.1016/j.ejor.2007.09.041.

CARRERAS, F., FREIXAS, J. and PUENTE, M.A., 2008. On the Reliability of the Self-Dual k-Out-of-n Systems. *Technometrics*, FEB, vol. 50, no. 1, pp. 79-85 ISSN 0040-1706. DOI 10.1198/004017007000000137.

CARRERAS, F. and MAGANA, A., 2008. The Shapley-Shubik Index for Simple Games with Multiple Alternatives. *Annals of Operations Research*, FEB, vol. 158, no. 1, pp. 81-97 ISSN 0254-5330. DOI 10.1007/s10479-007-0246-5.

CARRERAS, F. and MIGUEL GIMENEZ, J., 2011. Power and Potential Maps Induced by any Semivalue: Some Algebraic Properties and Computation by Multilinear Extensions. *European Journal of Operational Research*, MAY 16, vol. 211, no. 1, pp. 148-159 ISSN 0377-2217. DOI 10.1016/j.ejor.2010.11.002.

CARRILLO, F., COLOM, X. and CANAVATE, X., 2010. Properties of Regenerated Cellulose Lyocell Fiber-Reinforced Composites. *Journal of Reinforced Plastics and Composites*, FEB, vol. 29, no. 3, pp. 359-371 ISSN 0731-6844. DOI 10.1177/0731684408097777.

CARRILLO, F., et al, 2009. Thermal Degradation of lyocell/poly-N-Isopropylacrylamide Graft Copolymers Gels. *Journal of Thermal Analysis and Calorimetry*, SEP, vol. 97, no. 3, pp. 945-948 ISSN 1388-6150. DOI 10.1007/s10973-009-0090-8.

CARRILLO, F., et al, 2011. High Modulus Regenerated Cellulose Fiber-Reinforced Cellulose Acetate Butyrate Biocomposites. *Journal of Composite Materials*, AUG, vol. 45, no. 17, pp. 1733-1740 ISSN 0021-9983. DOI 10.1177/0021998310386261.

CARRILLO, F., DEFAYS, B. and COLOM, X., 2008. Surface Modification of Lyocell Fibres by Graft Copolymerization of Thermo-Sensitive Poly-N-Isopropylacrylamide. *European Polymer Journal*, DEC, vol. 44, no. 12, pp. 4020-4028 ISSN 0014-3057. DOI 10.1016/j.eurpolymj.2008.09.033.

CASADESUS PURSALS, S. and GARRIGA GARZON, F., 2009. Optimal Building Evacuation Time Considering Evacuation Routes. *European Journal of Operational Research*, JAN 16, vol. 192, no. 2, pp. 692-699 ISSN 0377-2217. DOI 10.1016/j.ejor.2007.10.004.



CASALS-TERRE, J., et al, 2010. Design and Characterization of a Magnetic Digital Flow Regulator. *Sensors and Actuators A-Physical*, JUL, vol. 162, no. 1, pp. 107-115 ISSN 0924-4247. DOI 10.1016/j.sna.2010.04.025.

CASALS-TERRE, J., et al, 2008. Design, Fabrication and Characterization of an Externally Actuated ON/OFF Microvalve. *Sensors and Actuators A-Physical*, OCT 3, vol. 147, no. 2, pp. 600-606 ISSN 0924-4247. DOI 10.1016/j.sna.2008.06.022.

CASALS-TERRE, J., FARGAS-MARQUES, A. and SHKEL, A.M., 2008. Snap-Action Bistable Micromechanisms Actuated by Nonlinear Resonance. *Journal of Microelectromechanical Systems*, OCT, vol. 17, no. 5, pp. 1082-1093 ISSN 1057-7157. DOI 10.1109/JMEMS.2008.2003054.

CASTELL, A., et al, 2008. Natural Convection Heat Transfer Coefficients in Phase Change Material (PCM) Modules with External Vertical Fins. *Applied Thermal Engineering*, SEP, vol. 28, no. 13, pp. 1676-1686 ISSN 1359-4311. DOI 10.1016/j.applthermaleng.2007.11.004.

CASTILLA, R., et al, 2010. Numerical Simulation of Turbulent Flow in the Suction Chamber of a Gearpump using Deforming Mesh and Mesh Replacement. *International Journal of Mechanical Sciences*, OCT, vol. 52, no. 10, pp. 1334-1342 ISSN 0020-7403. DOI 10.1016/j.ijmecsci.2010.06.009.

CASTILLA, R., GUTES, M., GAMEZ-MONTERO, P.J. and CODINA, E., 2010. Numerical Analysis of the Shaft Motion in the Journal Bearing of a Gear Pump. *Journal of Engineering for Gas Turbines and Power-Transactions of the Asme*, JAN, vol. 132, no. 1, pp. 012504 ISSN 0742-4795. DOI 10.1115/1.3126771.

CASTILLA, R., GUTES, M., GAMEZ-MONTERO, P.J. and CODINA, E., 2009. Experimental Study of the Shaft Motion in the Journal Bearing of a Gear Pump. *Journal of Engineering for Gas Turbines and Power-Transactions of the Asme*, SEP, vol. 131, no. 5, pp. 052502 ISSN 0742-4795. DOI 10.1115/1.3078202.

CASTILLA, R., et al, 2008. Analysis of the Turbulence in the Suction Chamber of an External Gear Pump using Time Resolved Particle Image Velocimetry. *Flow Measurement and Instrumentation*, DEC, vol. 19, no. 6, pp. 377-384 ISSN 0955-5986. DOI 10.1016/j.flowmeasinst.2008.06.005.

CASTRO, J., OLIET, C., RODRIGUEZ, I. and OLIVA, A., 2009. Comparison of the Performance of Falling Film and Bubble Absorbers for Air-Cooled Absorption Systems. *International Journal of Thermal Sciences*, JUL, vol. 48, no. 7, pp. 1355-1366 ISSN 1290-0729. DOI 10.1016/j.ijthermalsci.2008.11.021.

CASTRO, J., OLIVA, A., PEREZ-SEGARRA, C.D. and OLIET, C., 2008. Modelling of the Heat Exchangers of a Small Capacity, Hot Water Driven, Air-Cooled H₂O-LiBr Absorption Cooling Machine. *International Journal of Refrigeration-Revue Internationale Du Froid*, JAN, vol. 31, no. 1, pp. 75-86 ISSN 0140-7007. DOI 10.1016/j.ijrefrig.2007.05.019.



CAYUELA, D., et al, 2008. Determination by DSC of Secondary Crystallization due to Heatsetting of Thermoplastic Fibres. *Polymer Testing*, SEP, vol. 27, no. 6, pp. 667-674 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2008.04.011.

CEBALLOS, S., et al, 2008. Three-Level Converter Topologies with Switch Breakdown Fault-Tolerance Capability. *IEEE Transactions on Industrial Electronics*, MAR, vol. 55, no. 3, pp. 982-995 ISSN 0278-0046. DOI 10.1109/TIE.2008.917072.

CEBALLOS, S., et al, 2010. Performance Evaluation of Fault-Tolerant Neutral-Point-Clamped Converters. *IEEE Transactions on Industrial Electronics*, AUG, vol. 57, no. 8, pp. 2709-2718 ISSN 0278-0046. DOI 10.1109/TIE.2009.2026710.

CEBALLOS, S., et al, 2008. Efficient Modulation Technique for a Four-Leg Fault-Tolerant Neutral-Point-Clamped Inverter. *IEEE Transactions on Industrial Electronics*, MAR, vol. 55, no. 3, pp. 1067-1074 ISSN 0278-0046. DOI 10.1109/TIE.2008.917098.

CEBALLOS, S., et al, 2011. Fault-Tolerant Neutral-Point-Clamped Converter Solutions Based on Including a Fourth Resonant Leg. *IEEE Transactions on Industrial Electronics*, JUN, vol. 58, no. 6, pp. 2293-2303 ISSN 0278-0046. DOI 10.1109/TIE.2010.2069075.

CELLIER, F.E., LOPEZ, J., NEBOT, A. and CEMBRANO, G., 2010. Confidence Measures for Predictions in Fuzzy Inductive Reasoning. *International Journal of General Systems*, vol. 39, no. 8, pp. 839-853 ISSN 0308-1079. DOI 10.1080/03081079.2010.506180.

CEMBRANO, G., et al, 2011. PLIO: A Generic Tool for Real-Time Operational Predictive Optimal Control of Water Networks. *Water Science and Technology*, vol. 64, no. 2, pp. 448-459 ISSN 0273-1223. DOI 10.2166/wst.2011.431.

CENTINI, M., et al, 2008. Inhibition of Linear Absorption in Opaque Materials using Phase-Locked Harmonic Generation. *Physical Review Letters*, SEP 12, vol. 101, no. 11, pp. 113905 ISSN 0031-9007. DOI 10.1103/PhysRevLett.101.113905.

CHARBONNAUD, P., QUEVEDO, J., HURAND, P. and TROYAS, X., 2007. Data Validation and Correction, Resource Optimisation and Supervision of Hydrographical Network. *Houille Blanche-Revue Internationale De L Eau*, no. 1, pp. 78-85 ISSN 0018-6368. DOI 10.1051/lhb:2007011.

CHIRIAC, A.I., et al, 2010. Engineering a Family 9 Processive Endoglucanase from *Paenibacillus Barcinonensis* Displaying a Novel Architecture. *Applied Microbiology and Biotechnology*, APR, vol. 86, no. 4, pp. 1125-1134 ISSN 0175-7598. DOI 10.1007/s00253-009-2350-8.

CIANCIO, V. and QUINTANILLA, R., 2007. Thermodynamics of Materials with Internal Variables in the Context of the Green and Naghdi Theories. *Balkan Journal of Geometry and its Applications*, vol. 12, no. 1, pp. 16-31 ISSN 1224-2780.

CIMA, A., GASULL, A. and MANOSA, V., 2010. On Poncelet's Maps. *Computers & Mathematics with Applications*, SEP, vol. 60, no. 5, pp. 1457-1464 ISSN 0898-1221. DOI 10.1016/j.camwa.2010.06.027.



CIMA, A., GASULL, A. and MANOSA, V., 2008. Some Properties of the k-Dimensional Lyness' Map. *Journal of Physics A-Mathematical and Theoretical*, JUL 18, vol. 41, no. 28, pp. 285205 ISSN 1751-8113. DOI 10.1088/1751-8113/41/28/285205.

CIMA, A., GASULL, A. and MANOSA, V., 2008. Studying Discrete Dynamical Systems through Differential Equations. *Journal of Differential Equations*, FEB 1, vol. 244, no. 3, pp. 630-648 ISSN 0022-0396. DOI 10.1016/j.jde.2007.10.013.

CIMA, A., GASULL, A. and MANOSA, V., 2007. Dynamics of the Third Order Lyness' Difference Equation. *Journal of Difference Equations and Applications*, vol. 13, no. 10, pp. 855-884 ISSN 1023-6198. DOI 10.1080/10236190701264735.

CLARAMUNT, J., ARDANUY, M. and GARCIA-HORTAL, J.A., 2010. Effect of Drying and Rewetting Cycles on the Structure and Physicochemical Characteristics of Softwood Fibres for Reinforcement of Cementitious Composites. *Carbohydrate Polymers*, JAN 5, vol. 79, no. 1, pp. 200-205 ISSN 0144-8617. DOI 10.1016/j.carbpol.2009.07.057.

CLARAMUNT, J., ARDANUY, M., GARCIA-HORTAL, J.A. and TOLEDO FILHO, R.D., 2011. The Hornification of Vegetable Fibers to Improve the Durability of Cement Mortar Composites. *Cement & Concrete Composites*, MAY, vol. 33, no. 5, pp. 586-595 ISSN 0958-9465. DOI 10.1016/j.cemconcomp.2011.03.003.

COBRECES, S., et al, 2009. Exact Linearization Nonlinear Neutral-Point Voltage Control for Single-Phase Three-Level NPC Converters. *Ieee Transactions on Power Electronics*, OCT, vol. 24, no. 10, pp. 2357-2362 ISSN 0885-8993. DOI 10.1109/TPEL.2009.2015221.

CODONY, F., et al, 2009. Detection of Catabacter Hongkongensis in Polluted European Water Samples. *Journal of Zhejiang University-Science B*, DEC, vol. 10, no. 12, pp. 867-869 ISSN 1673-1581. DOI 10.1631/jzus.B0920218.

COLOM, X., ANDREU, F., CARRILLO, F. and CANAVATE, F., 2007. Antioxidants from p-Phenylendiamine in NBR Elastomers. Study of Thermooxidative Degradation Mechanism. *Afinidad*, NOV-DEC, vol. 64, no. 532, pp. 681-687 ISSN 0001-9704.

COLOM, X., et al, 2009. Study of the Influence of IPPD on Thermo-Oxidation Process of Elastomeric Hose. *Journal of Applied Polymer Science*, NOV 15, vol. 114, no. 4, pp. 2011-2018 ISSN 0021-8995. DOI 10.1002/app.30746.

COLOM, X., CANAVATE, J., CARRILLO, F. and SUNOL, J.J., 2009. Effect of the Particle Size and Acid Pretreatments on Compatibility and Properties of Recycled HDPE Plastic Bottles Filled with Ground Tyre Powder. *Journal of Applied Polymer Science*, MAY 15, vol. 112, no. 4, pp. 1882-1890 ISSN 0021-8995. DOI 10.1002/app.29611.

COLOM, X., CARRILLO, F. and CANAVATE, J., 2007. Composites Reinforced with Reused Tyres: Surface Oxidant Treatment to Improve the Interfacial Compatibility. *Composites Part A-Applied Science and Manufacturing*, vol. 38, no. 1, pp. 44-50 ISSN 1359-835X. DOI 10.1016/j.compositesa.2006.01.022.



COLOMER, G., CONSUL, R. and OLIVA, A., 2007. Coupled Radiation and Natural Convection: Different Approaches of the SLW Model for a Non-Gray Gas Mixture. *Journal of Quantitative Spectroscopy & Radiative Transfer*, SEP, vol. 107, no. 1, pp. 30-46 ISSN 0022-4073. DOI 10.1016/j.jqsrt.2006.12.011.

CONSUL, R., et al, 2008. Analysis of the Flamelet Concept in the Numerical Simulation of Laminar Partially Premixed Flames. *Combustion and Flame*, APR, vol. 153, no. 1-2, pp. 71-83 ISSN 0010-2180. DOI 10.1016/j.combustflame.2007.12.004.

CORCOLES, F., BOGARRA, S., PEDRA, J. and LUNA, A., 2011. Discrete Fault-Clearing Instant Influence on the Simulation of Voltage-Source-Inverter-Fed Adjustable-Speed Drives Subjected to Voltage Sags. *IET Electric Power Applications*, MAY, vol. 5, no. 5, pp. 465-477 ISSN 1751-8660. DOI 10.1049/iet-epa.2010.0113.

CORDOMI, A., RAMON, E., GARRIGA, P. and PEREZ, J.J., 2008. Molecular Dynamics Simulations of Rhodopsin Point Mutants at the Cytoplasmic Side of Helices 3 and 6. *Journal of Biomolecular Structure & Dynamics*, JUN, vol. 25, no. 6, pp. 573-587 ISSN 0739-1102.

CORDESEN, P., PIGOLOTTI, S. and JENSEN, M.H., 2011. Ecological Oscillations Induced by a Shared Predator and the "Winner Peaks First" Rule. *Physical Review E*, SEP 16, vol. 84, no. 3, pp. 031915 ISSN 1539-3755. DOI 10.1103/PhysRevE.84.031915.

CREMADES, L.V., RODRIGUEZ-GRAU, E., MULERO, R. and CUSIDO, J.A., 2007. Comparative Study of the Performance of Three Cross-Flow Ceramic Membranes for Water Treatment. *Water Sa*, APR, vol. 33, no. 2, pp. 253-259 ISSN 0378-4738.

CUSIDO, J., et al, 2010. Wavelet and PDD as Fault Detection Techniques. *Electric Power Systems Research*, AUG, vol. 80, no. 8, pp. 915-924 ISSN 0378-7796. DOI 10.1016/j.epsr.2009.12.017.

CUSIDO, J., et al, 2011. Signal Injection as a Fault Detection Technique. *Sensors*, MAR, vol. 11, no. 3, pp. 3356-3380 ISSN 1424-8220. DOI 10.3390/s110303356.

DAMASIO, J.B., et al, 2007. Comparing the Response of Biochemical Indicators (Biomarkers) and Biological Indices to Diagnose the Ecological Impact of an Oil Spillage in a Mediterranean River (NE Catalunya, Spain). *Chemosphere*, JAN, vol. 66, no. 7, pp. 1206-1216 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2006.07.055.

DAMASIO, J., et al, 2007. Biochemical Mechanisms of Resistance in *Daphnia Magna* Exposed to the Insecticide Fenitrothion. *Chemosphere*, NOV, vol. 70, no. 1, pp. 74-82 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2007.07.026.

DAMASIO, J., et al, 2010. Identifying Major Pesticides Affecting Bivalve Species Exposed to Agricultural Pollution using Multi-Biomarker and Multivariate Methods. *Ecotoxicology*, AUG, vol. 19, no. 6, pp. 1084-1094 ISSN 0963-9292. DOI 10.1007/s10646-010-0490-3.



DAMLE, R., et al, 2011. Object-Oriented Simulation of Reciprocating Compressors: Numerical Verification and Experimental Comparison. *International Journal of Refrigeration-Revue Internationale Du Froid*, DEC, vol. 34, no. 8, pp. 1989-1998 ISSN 0140-7007. DOI 10.1016/j.ijrefrig.2011.02.006.

DE LA CAL, A., et al, 2008. Spatial Variation of DDT and its Metabolites in Fish and Sediment from Cinca River, a Tributary of Ebro River (Spain). *Chemosphere*, JAN, vol. 70, no. 7, pp. 1182-1189 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2007.08.036.

DE LASARTE, M., et al, 2011. Luminance Adaptation Model for Increasing the Dynamic Range of an Imaging System Based on a CCD Camera. *Optik*, vol. 122, no. 15, pp. 1367-1372 ISSN 0030-4026. DOI 10.1016/j.ijleo.2010.09.011.

DE LASARTE, M., ARJONA, M., VILASECA, M. and PUJOL, J., 2010. Influence of the Number of Samples of the Training Set on Accuracy of Color Measurement and Spectral Reconstruction. *Journal of Imaging Science and Technology*, MAY-JUN, vol. 54, no. 3, pp. 030501 ISSN 1062-3701. DOI 10.2352/J.ImagingSci.Technol.2010.54.3.030501.

DE LASARTE, M., PUJOL, J., ARJONA, M. and VILASECA, M., 2007. Optimized Algorithm for the Spatial Nonuniformity Correction of an Imaging System Based on a Charge-Coupled Device Color Camera. *Applied Optics*, JAN 10, vol. 46, no. 2, pp. 167-174 ISSN 0003-6935. DOI 10.1364/AO.46.000167.

DE LIRA, S., PUIG, V., QUEVEDO, J. and HUSAR, A., 2011. LPV Observer Design for PEM Fuel Cell System: Application to Fault Detection. *Journal of Power Sources*, MAY 1, vol. 196, no. 9, pp. 4298-4305 ISSN 0378-7753. DOI 10.1016/j.jpowsour.2010.11.084.

DE VALCARCEL, G.J. and STALIUNAS, K., 2010. Pattern Formation through Phase Bistability in Oscillatory Systems with Space-Modulated Forcing. *Physical Review Letters*, JUL 26, vol. 105, no. 5, pp. 054101 ISSN 0031-9007. DOI 10.1103/PhysRevLett.105.054101.

DELGADO PRIETO, M., et al, 2011. Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension. *IEEE Transactions on Industrial Electronics*, MAY, vol. 58, no. 5, pp. 1594-1605 ISSN 0278-0046. DOI 10.1109/TIE.2010.2066538.

DELGADO, J., ROMERO, N., ROVELLA, A. and VILAMAJO, F., 2007. Omega-Stability for Maps with Nonwandering Critical Points. *Fundamenta Mathematicae*, vol. 193, no. 1, pp. 23-35 ISSN 0016-2736. DOI 10.4064/fm193-1-3.

DESCALZI, O., MARTI, A.C., MASOLLER, C. and ROSSO, O.A., 2009. Topics on Non-Equilibrium Statistical Mechanics and Nonlinear Physics PREFACE. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, AUG 28, vol. 367, no. 1901, pp. 3151-3156 ISSN 1364-503X. DOI 10.1098/rsta.2009.0101.



DIAZ BLANCO, C., DIAZ GONZALEZ, M., DAGA MONMANY, J.M. and TZANOV, T., 2009. Dyeing Properties, Synthesis, Isolation and Characterization of an in Situ Generated Phenolic Pigment, Covalently Bound to Cotton. *Enzyme and Microbial Technology*, JUN 8, vol. 44, no. 6-7, pp. 380-385 ISSN 0141-0229. DOI 10.1016/j.enzmictec.2009.02.003.

DIAZ BLANCO, C. and TZANOV, T., 2009. Boosting the Performance of Biodetergent Formulations with Photozymes. *Abstracts of Papers of the American Chemical Society*, MAR 22, vol. 237 ISSN 0065-7727.

DIAZ GONZALEZ, M., ROCASALBAS, G., FRANCESKO, A. and TZANOV, T., 2009. Plant Polyphenols Modified Chitosan to Inhibit Human Myeloperoxidase Chlorinating Activity. *New Biotechnology*, SEP, vol. 25, pp. S289-S290 ISSN 1871-6784. DOI 10.1016/j.nbt.2009.06.656.

DIAZ GONZALEZ, M., VIDAL, T. and TZANOV, T., 2009. Electrochemical Study of Phenolic Compounds as Enhancers in Laccase-Catalyzed Oxidative Reactions. *Electroanalysis*, OCT, vol. 21, no. 20, pp. 2249-2257 ISSN 1040-0397. DOI 10.1002/elan.200904678.

DIAZ, J.A., et al, 2011. Analysis of the Robustness of the Lens GRIN Profile in a Schematic Model Eye. *Journal of Modern Optics*, vol. 58, no. 19-20, pp. 1764-1769 ISSN 0950-0340. DOI 10.1080/09500340.2011.572193.

DIAZ, J.A., FERNANDEZ-DORADO, J., PIZARRO, C. and ARASA, J., 2009. Zernike Coefficients for Concentric, Circular Scaled Pupils: An Equivalent Expression. *Journal of Modern Optics*, vol. 56, no. 1, pp. 131-137 ISSN 0950-0340. DOI 10.1080/09500340802531224.

DIAZ-GONZALEZ, M., VIDAL, T. and TZANOV, T., 2011. Phenolic Compounds as Enhancers in Enzymatic and Electrochemical Oxidation of Veratryl Alcohol and Lignins. *Applied Microbiology and Biotechnology*, MAR, vol. 89, no. 6, pp. 1693-1700 ISSN 0175-7598. DOI 10.1007/s00253-010-3007-3.

DIEGO, J.A., et al, 2011. Annealing Effect on the Conductivity of XLPE Insulation in Power Cable. *IEEE Transactions on Dielectrics and Electrical Insulation*, OCT, vol. 18, no. 5, pp. 1554-1561 ISSN 1070-9878.

DIEGO, J.A., et al, 2007. TSDC Study of the Glass Transition: Correlation with Calorimetric Data. *Journal of Physics D-Applied Physics*, FEB 21, vol. 40, no. 4, pp. 1138-1145 ISSN 0022-3727. DOI 10.1088/0022-3727/40/4/035.

DIEZ, M., et al, 2008. Experimental Measurements and Diffusion in Harbor and Coastal Zones. *Nuovo Cimento Della Societa Italiana Di Fisica C-Geophysics and Space Physics*, SEP-DEC, vol. 31, no. 5-6, pp. 843-859 ISSN 1124-1896. DOI 10.1393/ncc/i2009-10354-3.

DOMEDEL-PUIG, N., POURNARA, I. and WERNISCH, L., 2010. Statistical Model Comparison Applied to Common Network Motifs. *Bmc Systems Biology*, MAR 3, vol. 4, pp. 18 ISSN 1752-0509. DOI 10.1186/1752-0509-4-18.



DOMENECH, B., MUNOZ, M., MURAVIEV, D.N. and MACANAS, J., 2011. Polymer-Stabilized Palladium Nanoparticles for Catalytic Membranes: Ad Hoc Polymer Fabrication. *Nanoscale Research Letters*, JUN 1, vol. 6, pp. 406 ISSN 1931-7573. DOI 10.1186/1556-276X-6-406.

DOMINGUEZ-JUAREZ, J.L., KOZYREFF, G. and MARTORELL, J., 2011. Whispering Gallery Microresonators for Second Harmonic Light Generation from a Low Number of Small Molecules. *Nature Communications*, MAR, vol. 2, pp. 254 ISSN 2041-1723. DOI 10.1038/ncomms1253.

DREHER, M., QUINTANILLA, R. and RACKE, R., 2009. Ill-Posed Problems in Thermomechanics. *Applied Mathematics Letters*, SEP, vol. 22, no. 9, pp. 1374-1379 ISSN 0893-9659. DOI 10.1016/j.aml.2009.03.010.

DUARTE, E.N., OLIVEIRA, S.A.G., WEYLER, R. and NEAMTU, L., 2010. A Hybrid Approach for Estimating the Drawbead Restraining Force in Sheet Metal Forming. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, JUL-SEP, vol. 32, no. 3, pp. 282-291 ISSN 1678-5878. DOI 10.1590/S1678-58782010000300012.

DUVIELLA, E., et al, 2010. Supervised Gain-Scheduling Multimodel Versus Linear Parameter Varying Internal Model Control of Open-Channel Systems for Large Operating Conditions. *Journal of Irrigation and Drainage Engineering-Asce*, AUG, vol. 136, no. 8, pp. 543-552 ISSN 0733-9437. DOI 10.1061/(ASCE)IR.1943-4774.0000219.

EGOROV, O., LEDERER, F. and STALIUNAS, K., 2007. Subdiffractive Discrete Cavity Solitons. *Optics Letters*, AUG 1, vol. 32, no. 15, pp. 2106-2108 ISSN 0146-9592. DOI 10.1364/OL.32.002106.

EGOROV, O.A., et al, 2011. Spatial Optical Solitons in Microstructured Cavities. *Applied Physics B-Lasers and Optics*, SEP, vol. 104, no. 3, pp. 537-546 ISSN 0946-2171. DOI 10.1007/s00340-011-4656-3.

ELJARRAT, E., et al, 2007. Decabrominated Diphenyl Ether in River Fish and Sediment Samples Collected Downstream an Industrial Park. *Chemosphere*, OCT, vol. 69, no. 8, pp. 1278-1286 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2007.05.052.

ELJARRAT, E., et al, 2008. Distribution and Biological Impact of Dioxin-Like Compounds in Risk Zones Along the Ebro River Basin (Spain). *Chemosphere*, APR, vol. 71, no. 6, pp. 1156-1161 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2007.10.031.

ERTUERK, N., et al, 2011. Experimental Analysis of the Flow Dynamics in the Suction Chamber of an External Gear Pump. *International Journal of Mechanical Sciences*, FEB, vol. 53, no. 2, pp. 135-144 ISSN 0020-7403. DOI 10.1016/j.ijmecsci.2010.12.003.

ESCOBET, T., et al, 2009. Model-Based Fault Diagnosis in PEM Fuel Cell Systems. *Journal of Power Sources*, JUL 1, vol. 192, no. 1, pp. 216-223 ISSN 0378-7753. DOI 10.1016/j.jpowsour.2008.12.014.



ESPINA, J., ARIAS, A., BALCELLS, J. and ORTEGA, C., 2009. Review of Anti-Windup Strategies for PI Speed Controllers in Field Oriented Control of Permanent Magnet Synchronous Machines. *Przeglad Elektrotechniczny*, vol. 85, no. 10, pp. 262-266 ISSN 0033-2097.

ESPINA, J., BALCELLS, J., ARIAS, A. and ORTEGA, C., 2011. EMI Modeling Method of AC-AC Power Converters. *Ieice Electronics Express*, JAN 10, vol. 8, no. 1, pp. 13-19 ISSN 1349-2543. DOI 10.1587/elex.8.13.

ESPINA, J., ORTEGA, C., ARIAS, A. and BALCELLS, J., 2010. Space Vector Modulation Strategy to Reduce the Common Mode Perturbations in Matrix Converters. *Ieice Electronics Express*, FEB 25, vol. 7, no. 4, pp. 281-287 ISSN 1349-2543. DOI 10.1587/elex.7.281.

ESPINOSA, A.G., et al, 2010. Closed-Loop Controller for Eliminating the Contact Bounce in DC Core Contactors. *Ieee Transactions on Components and Packaging Technologies*, SEP, vol. 33, no. 3, pp. 535-543 ISSN 1521-3331. DOI 10.1109/TCAPT.2010.2041456.

ESPINOSA, V., et al, 2007. Subdiffractive Propagation of Ultrasound in Sonic Crystals. *Physical Review B*, OCT, vol. 76, no. 14, pp. 140302 ISSN 1098-0121. DOI 10.1103/PhysRevB.76.140302.

ESSER, G., et al, 2010. Derivation of the Refraction Equations for Higher-Order Aberrations of Local Wavefronts at Oblique Incidence. *Journal of the Optical Society of America A-Optics Image Science and Vision*, FEB, vol. 27, no. 2, pp. 218-237 ISSN 1084-7529.

ESSER, G., et al, 2011. Derivation of the Propagation Equations for Higher Order Aberrations of Local Wavefronts. *Journal of the Optical Society of America A-Optics Image Science and Vision*, DEC, vol. 28, no. 12, pp. 2442-2458 ISSN 1084-7529.

ETRICH, C., et al, 2011. Ab Initio Dissipative Solitons in an all-Photonic Crystal Resonator. *Physical Review a*, AUG 25, vol. 84, no. 2, pp. 021808 ISSN 1050-2947. DOI 10.1103/PhysRevA.84.021808.

FARGAS-MARQUES, A., CASALS-TERTE, J. and SHKEL, A.M., 2007. Resonant Pull-in Condition in Parallel-Plate Electrostatic Actuators. *Journal of Microelectromechanical Systems*, OCT, vol. 16, no. 5, pp. 1044-1053 ISSN 1057-7157. DOI 10.1109/JMEMS.2007.900893.

FARIA, M., et al, 2009. Multi-Biomarker Responses in the Freshwater Mussel *Dreissena Polymorpha* Exposed to Polychlorobiphenyls and Metals. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology*, APR, vol. 149, no. 3, pp. 281-288 ISSN 1532-0456. DOI 10.1016/j.cbpc.2008.07.012.

FARIA, M., et al, 2010. Contaminant Accumulation and Multi-Biomarker Responses in Field Collected Zebra Mussels (*Dreissena Polymorpha*) and Crayfish (*Procambarus Clarkii*), to Evaluate Toxicological Effects of Industrial Hazardous Dumps in the Ebro River (NE Spain). *Chemosphere*, JAN, vol. 78, no. 3, pp. 232-240 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2009.11.003.



FAUNDEZ-ZANUY, M., ROURE, J., ESPINOSA-DURO, V. and ANTONIO ORTEGA, J., 2007. An Efficient Face Verification Method in a Transformed Domain. *Pattern Recognition Letters*, MAY 1, vol. 28, no. 7, pp. 854-858 ISSN 0167-8655. DOI 10.1016/j.patrec.2006.12.005.

FERNANDES, M.M., et al, 2011. Protein Disulphide Isomerase-Assisted Functionalization of Keratin-Based Matrices. *Applied Microbiology and Biotechnology*, MAY, vol. 90, no. 4, pp. 1311-1321 ISSN 0175-7598. DOI 10.1007/s00253-011-3194-6.

FERNANDES, M., et al, 2011. Protein Disulfide Isomerase-Assisted Functionalization of Keratin-Based Matrices. *Abstracts of Papers of the American Chemical Society*, MAR 27, vol. 241 ISSN 0065-7727.

FERNANDEZ SARE, H.D., MUNOZ RIVERA, J.E. and QUINTANILLA, R., 2011. On the Rate of Decay in Interacting Continua with Memory. *Journal of Differential Equations*, DEC 15, vol. 251, no. 12, pp. 3583-3605 ISSN 0022-0396. DOI 10.1016/j.jde.2011.08.015.

FERNANDEZ SARE, H.D., MUNOZ RIVERA, J.E. and QUINTANILLA, R., 2010. Decay of Solutions in Nonsimple Thermoelastic Bars. *International Journal of Engineering Science*, NOV, vol. 48, no. 11, pp. 1233-1241 ISSN 0020-7225. DOI 10.1016/j.ijengsci.2010.04.014.

FERNANDEZ, A.I., et al, 2009. Characterization of Poly(Ethylene-Co-Vinyl Acetate) (EVA) Filled with Low Grade Magnesium Hydroxide. *Polymer Degradation and Stability*, JAN, vol. 94, no. 1, pp. 57-60 ISSN 0141-3910. DOI 10.1016/j.polymdegradstab.2008.10.008.

FERNANDEZ, R., 2009. A Modified Charge Pumping Method for Measuring Interface States Up to the GHz Range. *Journal of Electronic Testing-Theory and Applications*, AUG, vol. 25, no. 4-5, pp. 279-283 ISSN 0923-8174. DOI 10.1007/s10836-009-5104-8.

FERNANDEZ, V., et al, 2011. 'Low-Cost Educational Videos' for Engineering Students: A New Concept Based on Video Streaming and YouTube Channels. *International Journal of Engineering Education*, vol. 27, no. 3, pp. 518-527 ISSN 0949-149X.

FERNANDEZ, V., SIMO, P. and SALLAN, J.M., 2009. Podcasting: A New Technological Tool to Facilitate Good Practice in Higher Education. *Computers & Education*, SEP, vol. 53, no. 2, pp. 385-392 ISSN 0360-1315. DOI 10.1016/j.compedu.2009.02.014.

FERNANDEZ, V. and SUNE, A., 2009. Organizational Forgetting and its Causes: An Empirical Research. *Journal of Organizational Change Management*, vol. 22, no. 6, pp. 620-634 ISSN 0953-4814. DOI 10.1108/09534810910997032.

FERNANDEZ-GARCIA, R., KACZER, B. and GROESENEKEN, G., 2009. A CMOS Circuit for Evaluating the NBTI Over a Wide Frequency Range. *Microelectronics Reliability*, AUG, vol. 49, no. 8, pp. 885-891 ISSN 0026-2714. DOI 10.1016/j.microrel.2009.05.009.

FERNANDEZ-GARCIA, R., et al, 2011. A New Approach to Modeling the Impact of EMI on MOSFET DC Behavior. *IEICE Transactions on Electronics*, DEC, vol. E94C, no. 12, pp. 1906-1908 ISSN 0916-8524. DOI 10.1587/transele.E94.C.1906.



FIERREZ, J., et al, 2010. BiosecurID: A Multimodal Biometric Database. *Pattern Analysis and Applications*, MAY, vol. 13, no. 2, pp. 235-246 ISSN 1433-7541. DOI 10.1007/s10044-009-0151-4.

FILLAT, A., BLANCA RONCERO, M. and VIDAL, T., 2011. Assessing the use of Xylanase and Laccases in Biobleaching Stages of a TCF Sequence for Flax Pulp. *Journal of Chemical Technology and Biotechnology*, DEC, vol. 86, no. 12, pp. 1501-1507 ISSN 0268-2575. DOI 10.1002/jctb.2662.

FILLAT, A., COLOM, J.F. and VIDAL, T., 2010. A New Approach to the Biobleaching of Flax Pulp with Laccase using Natural Mediators. *Bioresource Technology*, JUN, vol. 101, no. 11, pp. 4104-4110 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.01.057.

FILLAT, U. and BLANCA RONCERO, M., 2010. Flax Biobleaching by Laccase Mediator System at Atmospheric Pressure. *Afinidad*, JUL-AUG, vol. 67, no. 548, pp. 254-261 ISSN 0001-9704.

FILLAT, U. and BLANCA RONCERO, M., 2010. Optimization of Laccase-Mediator System in Producing Biobleached Flax Pulp. *Bioresource Technology*, JAN, vol. 101, no. 1, pp. 181-187 ISSN 0960-8524. DOI 10.1016/j.biortech.2009.07.020.

FILLAT, U. and BLANCA RONCERO, M., 2009. Effect of Process Parameters in Laccase Mediator System Delignification of Flax Pulp. Part II: Impact on Effluents Properties. *Chemical Engineering Journal*, OCT 15, vol. 152, no. 2-3, pp. 330-338 ISSN 1385-8947. DOI 10.1016/j.cej.2009.05.034.

FILLAT, U. and BLANCA RONCERO, M., 2009. Effect of Process Parameters in Laccase-Mediator System Delignification of Flax Pulp Part I. Pulp Properties. *Chemical Engineering Journal*, OCT 15, vol. 152, no. 2-3, pp. 322-329 ISSN 1385-8947. DOI 10.1016/j.cej.2009.05.036.

FILLAT, U., BLANCA RONCERO, M., BASSA, A. and SACON, V.M., 2010. An Approach to Industrial Application: Influence of Black Liquor and pH on Xylanase Efficiency in Bleaching of Eucalyptus Kraft Pulp. *Industrial & Engineering Chemistry Research*, NOV 17, vol. 49, no. 22, pp. 11200-11205 ISSN 0888-5885. DOI 10.1021/ie1014469.

FILLAT, U., PEPIO, M., VIDAL, T. and BLANCA RONCERO, M., 2010. Flax Fibers as a Raw Material: How to Bleach Efficiently a Non-Woody Plant to Obtain High-Quality Pulp. *Biomass & Bioenergy*, DEC, vol. 34, no. 12, pp. 1896-1905 ISSN 0961-9534. DOI 10.1016/j.biombioe.2010.07.022.

FILLAT, U. and RONCERO, M.B., 2009. Biobleaching of High Quality Pulps with Laccase Mediator System: Influence of Treatment Time and Oxygen Supply. *Biochemical Engineering Journal*, MAY 15, vol. 44, no. 2-3, pp. 193-198 ISSN 1369-703X. DOI 10.1016/j.bej.2008.12.002.

FITTIPALDI, M., CODONY, F. and MORATO, J., 2010. Comparison of Conventional Culture and Real-Time Quantitative PCR using SYBR Green for Detection of Legionella Pneumophila in Water Samples. *Water Sa*, JUL, vol. 36, no. 4, pp. 417-424 ISSN 0378-4738.



FITTIPALDI, M., et al, 2011. Viable Real-Time PCR in Environmental Samples: Can all Data be Interpreted Directly?. *Microbial Ecology*, JAN, vol. 61, no. 1, pp. 7-12 ISSN 0095-3628. DOI 10.1007/s00248-010-9719-1.

FITTIPALDI, M., et al, 2011. Discrimination of Viable Acanthamoeba Castellani Trophozoites and Cysts by Propidium Monoazide Real-Time Polymerase Chain Reaction. *Journal of Eukaryotic Microbiology*, JUL-AUG, vol. 58, no. 4, pp. 359-364 ISSN 1066-5234. DOI 10.1111/j.1550-7408.2011.00557.x.

FITTIPALDI, M., et al, 2010. Discrimination of Infectious Bacteriophage T4 Virus by Propidium Monoazide Real-Time PCR. *Journal of Virological Methods*, SEP, vol. 168, no. 1-2, pp. 228-232 ISSN 0166-0934. DOI 10.1016/j.jviromet.2010.06.011.

FLORES ANDRES, N. and SOLA FRANCISCO, M., 2008. Effects of Sewage Sludge Application on Heavy Metal Leaching from Mine Tailings Impoundments. *Bioresource Technology*, NOV, vol. 99, no. 16, pp. 7521-7530 ISSN 0960-8524. DOI 10.1016/j.biortech.2008.02.022.

FONT, J.L., et al, 2008. Transverse Effects in a Thin Slab of Material with Local-Field Induced Intrinsic Optical Bistability. *Journal of the Optical Society of America B-Optical Physics*, DEC, vol. 25, no. 12, pp. 2036-2048 ISSN 0740-3224. DOI 10.1364/JOSAB.25.002036.

FORCADA, N., et al, 2010. A Web-Based System for Sharing and Disseminating Research Results: The Underground Construction Case Study. *Automation in Construction*, JUL, vol. 19, no. 4, pp. 458-474 ISSN 0926-5805. DOI 10.1016/j.autcon.2009.12.018.

FORCADA, N., CASALS, M., ROCA, X. and GANGOLELLS, M., 2007. Adoption of Web Databases for Document Management in SMEs of the Construction Sector in Spain. *Automation in Construction*, JUL, vol. 16, no. 4, pp. 411-424 ISSN 0926-5805. DOI 10.1016/j.autcon.2006.07.011.

FORCADA, N., CASALS, M., ROCA, X. and GANGOLELLS, M., 2007. Students' Perceptions and Performance with Traditional Vs. Blended Learning Methods in an Industrial Plants Course. *International Journal of Engineering Education*, vol. 23, no. 6, pp. 1199-1209 ISSN 0949-149X.

FORCADA, N., et al, 2011. Improving Design Competences: Experiences in Group-Based Learning Based on ICTs in a Blended Learning Environment. *International Journal of Engineering Education*, vol. 27, no. 2, pp. 292-302 ISSN 0949-149X.

FORTUNY, J., et al, 2011. Temnospondyli Bite Club: Ecomorphological Patterns of the most Diverse Group of Early Tetrapods. *Journal of Evolutionary Biology*, SEP, vol. 24, no. 9, pp. 2040-2054 ISSN 1010-061X. DOI 10.1111/j.1420-9101.2011.02338.x.

FRAGA, I., HUTCHINSON, J.M. and MONTSERRAT, S., 2010. Vitrification and Devitrification during the Non-Isothermal Cure of a Thermoset. *Journal of Thermal Analysis and Calorimetry*, MAR, vol. 99, no. 3, pp. 925-929 ISSN 1388-6150. DOI 10.1007/s10973-009-0601-7.



FRAGA, I., MONTSERRAT, S. and HUTCHINSON, J.M., 2008. Vitrification during the Isothermal Cure of Thermosets. Part I. an Investigation using TOPEM, a New Temperature Modulated Technique. *Journal of Thermal Analysis and Calorimetry*, MAR, vol. 91, no. 3, pp. 687-695 ISSN 1388-6150. DOI 10.1007/s10973-007-8613-7.

FRAGA, I., MONTSERRAT, S. and HUTCHINSON, J.M., 2007. TOPEM, a New Temperature Modulated DSC Technique - Application to the Glass Transition of Polymers. *Journal of Thermal Analysis and Calorimetry*, JAN, vol. 87, no. 1, pp. 119-124 ISSN 1388-6150. DOI 10.1007/s10973-006-7969-4.

FRAGA, I., MONTSERRAT, S. and HUTCHINSON, J.M., 2010. Vitrification and Devitrification during the Non-Isothermal Cure of a Thermoset. Theoretical Model and Comparison with Calorimetric Experiments. *Macromolecular Chemistry and Physics*, JAN 5, vol. 211, no. 1, pp. 57-65 ISSN 1022-1352. DOI 10.1002/macp.200900322.

FRAGA, I., MONTSERRAT, S. and HUTCHINSON, J.M., 2008. Vitrification during the Isothermal Cure of Thermosets: Comparison of Theoretical Simulations with Temperature-Modulated DSC and Dielectric Analysis. *Macromolecular Chemistry and Physics*, OCT 7, vol. 209, no. 19, pp. 2003-2011 ISSN 1022-1352. DOI 10.1002/macp.200800217.

FRANCESKO, A., ROCASALBAS, G., DIAZ GONZALEZ, M. and TZANOV, T., 2009. Functionalized Biopolymer Platforms for Inhibition of Chronic Wound Enzymes. *Abstracts of Papers of the American Chemical Society*, MAR 22, vol. 237 ISSN 0065-7727.

FRANCO-URQUIZA, E., et al, 2010. Influence of Processing on the Ethylene-Vinyl Alcohol (EVOH) Properties: Application of the Successive Self-Nucleation and Annealing (SSA) Technique. *Express Polymer Letters*, MAR, vol. 4, no. 3, pp. 153-160 ISSN 1788-618X. DOI 10.3144/expresspolymlett.2010.20.

FRANCO-URQUIZA, E., et al, 2010. The Effect of Organo-Modifier on the Structure and Properties of Poly[Ethylene-(Vinyl Alcohol)]/organo-Modified Montmorillonite Composites. *Polymer International*, JUN, vol. 59, no. 6, pp. 778-786 ISSN 0959-8103. DOI 10.1002/pi.2788.

FRANQUESA, D., et al, 2010. The Social and Environmental Impact of Engineering Solutions: From the Lab to the Real World. *International Journal of Engineering Education*, vol. 26, no. 5, pp. 1144-1155 ISSN 0949-149X.

FRUTOS, F., et al, 2007. Effect of Annealing on Conductivity in XLPE Mid-Voltage Cable Insulation. *Journal of Electrostatics*, FEB, vol. 65, no. 2, pp. 122-131 ISSN 0304-3886. DOI 10.1016/j.elstat.2006.07.015.

FUELLEKRUG, M., et al, 2011. Relativistic Electron Beams Above Thunderclouds. *Atmospheric Chemistry and Physics*, vol. 11, no. 15, pp. 7747-7754 ISSN 1680-7316. DOI 10.5194/acp-11-7747-2011.

FUELLEKRUG, M., et al, 2010. Relativistic Runaway Breakdown in Low-Frequency Radio. *Journal of Geophysical Research-Space Physics*, JAN 14, vol. 115, pp. A00E09 ISSN 0148-0227. DOI 10.1029/2009JA014468.



GACEN, J., CAYUELA, D., MAILLO, J. and TZVETKOVA, M., 2008. Characterization of the Fine Structure of Polyamide 6 Fibres through the Differential Solubility Test. *Afinidad*, JAN-FEB, vol. 65, no. 533, pp. 26-31 ISSN 0001-9704.

GAFFAR HOSSAIN, K.M., DIAZ GONZALEZ, M., RIVA JUAN, A. and TZANOV, T., 2010. Enzyme-Mediated Coupling of a Bi-Functional Phenolic Compound Onto Wool to Enhance its Physical, Mechanical and Functional Properties. *Enzyme and Microbial Technology*, MAR 5, vol. 46, no. 3-4, pp. 326-330 ISSN 0141-0229. DOI 10.1016/j.enzmictec.2009.12.008.

GAFFAR HOSSAIN, K.M., DIAZ GONZALEZ, M., ROCASALBAS LOZANO, G. and TZANOV, T., 2009. Enzymatic Process for Multifunctional Protein Fibres. *Abstracts of Papers of the American Chemical Society*, MAR 22, vol. 237 ISSN 0065-7727.

GAFFAR HOSSAIN, K.M., DIAZ GONZALEZ, M., ROCASALBAS LOZANO, G. and TZANOV, T., 2009. Multifunctional Modification of Wool using an Enzymatic Process in Aqueous-Organic Media. *Journal of Biotechnology*, APR 20, vol. 141, no. 1-2, pp. 58-63 ISSN 0168-1656. DOI 10.1016/j.jbiotec.2009.02.011.

GAGO, J., et al, 2007. EMI Susceptibility Model of Signal Conditioning Circuits Based on Operational Amplifiers. *IEEE Transactions on Electromagnetic Compatibility*, NOV, vol. 49, no. 4, pp. 849-859 ISSN 0018-9375. DOI 10.1109/TEM.2007.908845.

GALICIA-GARCIA, T., et al, 2011. Thermal and Microstructural Characterization of Biodegradable Films Prepared by Extrusion-Calendering Process. *Carbohydrate Polymers*, JAN 10, vol. 83, no. 2, pp. 354-361 ISSN 0144-8617. DOI 10.1016/j.carbpol.2010.07.050.

GALLARDO, O., et al, 2010. Characterization of a Family GH5 Xylanase with Activity on Neutral Oligosaccharides and Evaluation as a Pulp Bleaching Aid. *Applied and Environmental Microbiology*, SEP, vol. 76, no. 18, pp. 6290-6294 ISSN 0099-2240. DOI 10.1128/AEM.00871-10.

GAMEZ-MONTERO, P.J., et al, 2009. GEROLAB Package System: Innovative Tool to Design a Trochoidal-Gear Pump. *Journal of Mechanical Design*, JUL, vol. 131, no. 7, pp. 074502 ISSN 1050-0472. DOI 10.1115/1.3125889.

GAMEZ-MONTERO, P.J. and CODINA, E., 2007. Flow Characteristics of a Trochoidal-Gear Pump using Bond Graphs and Experimental Measurement. Part 1. *Proceedings of the Institution of Mechanical Engineers Part I-Journal of Systems and Control Engineering*, MAY, vol. 221, no. I3, pp. 331-346 ISSN 0959-6518. DOI 10.1243/09596518JSCE250.

GAMEZ-MONTERO, P.J. and CODINA, E., 2007. Flow Characteristics of a Trochoidal-Gear Pump using Bond Graphs and Experimental Measurement. Part 2. *Proceedings of the Institution of Mechanical Engineers Part I-Journal of Systems and Control Engineering*, MAY, vol. 221, no. I3, pp. 347-363 ISSN 0959-6518. DOI 10.1243/09596518JSCE251.

GAMEZ-MONTERO, P.J., et al, 2009. Friction Effects on the Load Capacity of a Column and a Hydraulic Cylinder. *International Journal of Mechanical Sciences*, FEB, vol. 51, no. 2, pp. 145-151 ISSN 0020-7403. DOI 10.1016/j.ijmecsci.2008.12.007.



GAMEZ-MONTERO, P.J., et al, 2009. Misalignment Effects on the Load Capacity of a Hydraulic Cylinder. *International Journal of Mechanical Sciences*, FEB, vol. 51, no. 2, pp. 105-113 ISSN 0020-7403. DOI 10.1016/j.ijmecsci.2009.01.001.

GAMEZ-PEREZ, J., et al, 2011. Influence of Crystallinity on the Fracture Toughness of Poly(Lactic Acid)/Montmorillonite Nanocomposites Prepared by Twin-Screw Extrusion. *Journal of Applied Polymer Science*, APR 15, vol. 120, no. 2, pp. 896-905 ISSN 0021-8995. DOI 10.1002/app.33191.

GAMEZ-PEREZ, J., SANTANA, O., MARTINEZ, A.B. and MASPOCH, M.L., 2008. Use of Extensometers on Essential Work of Fracture (EWF) Tests. *Polymer Testing*, JUN, vol. 27, no. 4, pp. 491-497 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2008.02.002.

GAMEZ-PEREZ, J., et al, 2011. Fracture Behavior of Quenched Poly(Lactic Acid). *Express Polymer Letters*, JAN, vol. 5, no. 1, pp. 82-91 ISSN 1788-618X. DOI 10.3144/expresspolymlett.2011.9.

GAMEZ-PEREZ, J., SANTANA, O.O., GORDILLO, A. and MASPOCH, M.L., 2007. Evaluation of the Fracture Behavior of Multilayered Polypropylene Sheets obtained by Coextrusion. *Polymer Engineering and Science*, SEP, vol. 47, no. 9, pp. 1365-1372 ISSN 0032-3888. DOI 10.1002/pen.20821.

GANGOLELLS, M., et al, 2010. Mitigating Construction Safety Risks using Prevention through Design. *Journal of Safety Research*, APR, vol. 41, no. 2, pp. 107-122 ISSN 0022-4375. DOI 10.1016/j.jsr.2009.10.007.

GANGOLELLS, M., et al, 2011. Assessing Concerns of Interested Parties when Predicting the Significance of Environmental Impacts Related to the Construction Process of Residential Buildings. *Building and Environment*, MAY, vol. 46, no. 5, pp. 1023-1037 ISSN 0360-1323. DOI 10.1016/j.buildenv.2010.11.004.

GANGOLELLS, M., et al, 2009. A Methodology for Predicting the Severity of Environmental Impacts Related to the Construction Process of Residential Buildings. *Building and Environment*, MAR, vol. 44, no. 3, pp. 558-571 ISSN 0360-1323. DOI 10.1016/j.buildenv.2008.05.001.

GARCIA BARNETO, A., VILA, C., ARIZA, J. and VIDAL, T., 2011. Thermogravimetric Measurement of Amorphous Cellulose Content in Flax Fibre and Flax Pulp. *Cellulose*, FEB, vol. 18, no. 1, pp. 17-31 ISSN 0969-0239. DOI 10.1007/s10570-010-9472-0.

GARCIA ESPINOSA, A., RIBA RUIZ, J. and ALABERN MORERA, X., 2007. A Sensorless Method Tor Controlling the Closure of a Contactor. *IEEE Transactions on Magnetics*, OCT, vol. 43, no. 10, pp. 3896-3903 ISSN 0018-9464. DOI 10.1109/TMAG.2007.904355.

GARCIA ESPINOSA, A., RIBA RUIZ, J., CUSIDO, J. and ALABERN MORERA, X., 2008. Sensorless Control and Fault Diagnosis of Electromechanical Contactors. *IEEE Transactions on Industrial Electronics*, OCT, vol. 55, no. 10, pp. 3742-3750 ISSN 0278-0046. DOI 10.1109/TIE.2008.925773.



GARCIA ESPINOSA, A., et al, 2010. Fault Detection by Means of Hilbert-Huang Transform of the Stator Current in a PMSM with Demagnetization. *IEEE Transactions on Energy Conversion*, JUN, vol. 25, no. 2, pp. 312-318 ISSN 0885-8969. DOI 10.1109/TEC.2009.2037922.

GARCIA, A., et al, 2008. Reliable Electro-Mechanical Actuators in Aircraft. *IEEE Aerospace and Electronic Systems Magazine*, AUG, vol. 23, no. 8, pp. 19-+ ISSN 0885-8985. DOI 10.1109/MAES.2008.4607895.

GARCIA, X.d.T., ARIAS, A., JAYNE, M.G. and WITTING, P.A., 2008. Direct Torque Control of Induction Motors Utilizing Three-Level Voltage Source Inverters. *IEEE Transactions on Industrial Electronics*, FEB, vol. 55, no. 2, pp. 956-958 ISSN 0278-0046. DOI 10.1109/TIE.2007.896527.

GARCIA-GRILLASCA, G., et al, 2009. Study of Enzymatic Degradation of Bacterial Poly(3-Hydroxybutyrate). *New Biotechnology*, SEP, vol. 25, pp. S129-S130 ISSN 1871-6784. DOI 10.1016/j.nbt.2009.06.437.

GARCIA-MONTANO, J., et al, 2008. The Testing of several Biological and Chemical Coupled Treatments for Cibacron Red FN-R Azo Dye Removal. *Journal of Hazardous Materials*, JUN 15, vol. 154, no. 1-3, pp. 484-490 ISSN 0304-3894. DOI 10.1016/j.jhazmat.2007.10.050.

GARCIA-MONTANO, J., et al, 2008. Pilot Plant Scale Reactive Dyes Degradation by Solar Photo-Fenton and Biological Processes. *Journal of Photochemistry and Photobiology A-Chemistry*, APR 15, vol. 195, no. 2-3, pp. 205-214 ISSN 1010-6030. DOI 10.1016/j.jphotochem.2007.10.004.

GARCIA-MONTANO, J., et al, 2008. Degradation Pathways of the Commercial Reactive Azo Dye Procion Red H-E7B Under Solar-Assisted Photo-Fenton Reaction. *Environmental Science & Technology*, SEP 1, vol. 42, no. 17, pp. 6663-6670 ISSN 0013-936X. DOI 10.1021/es800536d.

GARCIA-OJALVO, J., 2011. Physical Approaches to the Dynamics of Genetic Circuits: A Tutorial. *Contemporary Physics*, vol. 52, no. 5, pp. 439-464 ISSN 0010-7514. DOI 10.1080/00107514.2011.588432.

GARCIA-PARRA, M., SIMO, P., SALLAN, J.M. and MUNDET, J., 2009. Intangible Liabilities: Beyond Models of Intellectual Assets. *Management Decision*, vol. 47, no. 5-6, pp. 819-830 ISSN 0025-1747. DOI 10.1108/00251740910960141.

GARCIA-UBASART, J., et al, 2011. Enzymatic Treatments of Pulp using Laccase and Hydrophobic Compounds. *Bioresource Technology*, FEB, vol. 102, no. 3, pp. 2799-2803 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.10.020.

GARRIDO, N. and ALVAREZ DEL CASTILLO, M.D., 2007. Environmental Evaluation of Single-use and Reusable Cups. *International Journal of Life Cycle Assessment*, JUN, vol. 12, no. 4, pp. 252-256 ISSN 0948-3349. DOI 10.1065/lca2007.05.334.



GENESCA, M., ROMEU, J., PAMIES, T. and BALASTEGUI, A., 2011. Passive Acoustic Method for Tracking Moving Sound Sources. *Acta Acustica United with Acustica*, JAN-FEB, vol. 97, no. 1, pp. 34-43 ISSN 1610-1928. DOI 10.3813/AAA.918384.

GENESCA, M., ROMEU, J., PAMIES, T. and SANCHEZ, A., 2010. Aircraft Noise Monitoring with Linear Microphone Arrays. *IEEE Aerospace and Electronic Systems Magazine*, JAN, vol. 25, no. 1, pp. 14-18 ISSN 0885-8985. DOI 10.1109/MAES.2010.5442149.

GENESCA, M., ROMEU, J., PAMIES, T. and SANCHEZ, A., 2009. Real Time Aircraft Fly-Over Noise Discrimination. *Journal of Sound and Vibration*, JUN 5, vol. 323, no. 1-2, pp. 112-129 ISSN 0022-460X. DOI 10.1016/j.jsv.2008.12.030.

GHOSH, D.S., et al, 2011. Semi-Transparent Metal Electrode of Cu-Ni as a Replacement of an ITO in Organic Photovoltaic Cells. *Solar Energy Materials and Solar Cells*, APR, vol. 95, no. 4, pp. 1228-1231 ISSN 0927-0248. DOI 10.1016/j.solmat.2010.12.040.

GIL, I., FERNANDEZ-GARCIA, R. and BALCELLS, J., 2011. Analysis and Characterisation of Coupled Transmission Lines Loaded with Complementary Spiral Resonators. *Iet Microwaves Antennas & Propagation*, FEB, vol. 5, no. 3, pp. 290-297 ISSN 1751-8725. DOI 10.1049/iet-map.2010.0108.

GIL, I., et al, 2011. Characterization and Modelling of Switchable Stop-Band Filters Based on RF-MEMS and Complementary Split Ring Resonators. *Microelectronic Engineering*, JAN, vol. 88, no. 1, pp. 1-5 ISSN 0167-9317. DOI 10.1016/j.mee.2010.07.031.

GIL, I., CAIRO, I., SIEIRO, J.J. and LOPEZ-VILLEGAS, J.M., 2010. Low-Power Current-Reused RF Front-End Based on Optimized Transformers Topology. *Integration-the Vlsi Journal*, APR, vol. 43, no. 2, pp. 230-236 ISSN 0167-9260. DOI 10.1016/j.vlsi.2009.10.001.

GIL, I., FERNANDEZ, R., GAGO, J. and BALCELLS, J., 2010. Multiband EMI Filter Based on Metamaterials. *Ieice Electronics Express*, MAY 10, vol. 7, no. 9, pp. 563-568 ISSN 1349-2543. DOI 10.1587/elex.7.563.

GIL, L., PEREZ, M.A., BERNAT, E. and CRUZ, J.J., 2011. Loss of Strength in Asbestos-Cement Water Pipes due to Leaching. *Structural Engineering and Mechanics*, DEC 10, vol. 40, no. 5, pp. 655-663 ISSN 1225-4568.

GINOVART, M. and CANADAS, J.C., 2008. INDISIM-YEAST: An Individual-Based Simulator on a Website for Experimenting and Investigating Diverse Dynamics of Yeast Populations in Liquid Media. *Journal of Industrial Microbiology & Biotechnology*, NOV, vol. 35, no. 11, pp. 1359-1366 ISSN 1367-5435. DOI 10.1007/s10295-008-0436-4.

GIRALDI, A.L.F.d.M., et al, 2009. Effect of Clay Content and Speed Screw Rotation on the Crystallization and Thermal Behaviors of Recycled PET/Clay Nanocomposites. *Journal of Nanoscience and Nanotechnology*, JUN, vol. 9, no. 6, pp. 3883-3890 ISSN 1533-4880. DOI 10.1166/jnn.2009.NS84.



GIRALDI, A.L.F.d.M., et al, 2008. Effects of Extrusion Conditions on the Properties of Recycled Poly(Ethylene Terephthalate)/nanoclay Nanocomposites Prepared by a Twin-Screw Extruder. *Journal of Applied Polymer Science*, MAY 15, vol. 108, no. 4, pp. 2252-2259 ISSN 0021-8995. DOI 10.1002/app.27280.

GIRBAU, D., et al, 2007. A Low-Power-Consumption Out-of-Plane Electrothermal Actuator. *Journal of Microelectromechanical Systems*, JUN, vol. 16, no. 3, pp. 719-727 ISSN 1057-7157. DOI 10.1109/JMEMS.2007.896714.

GOLDBACH, M., LOH, M., DECO, G. and GARCIA-OJALVO, J., 2008. Neurodynamical Amplification of Perceptual Signals Via System-Size Resonance. *Physica D-Nonlinear Phenomena*, MAR, vol. 237, no. 3, pp. 316-323 ISSN 0167-2789. DOI 10.1016/j.physd.2007.09.004.

GOMEZ-MARIN, A., GARCIA-OJALVO, J. and SANCHO, J.M., 2007. Self-Sustained Spatiotemporal Oscillations Induced by Membrane-Bulk Coupling. *Physical Review Letters*, APR 20, vol. 98, no. 16, pp. 168303 ISSN 0031-9007. DOI 10.1103/PhysRevLett.98.168303.

GONCALVES, M., JIMENEZ-GUERRERO, P. and BALDASANO, J.M., 2011. The Challenge of Improving Urban Air Quality: Effects of Hybrid Cars, Introduction in Barcelona and Madrid (Spain). *International Journal of Environment and Pollution*, vol. 47, no. 1-4, pp. 70-78 ISSN 0957-4352.

GONZALEZ, C.M., MASOLLER, C., TORRENT, M.C. and GARCIA-OJALVO, J., 2007. Synchronization Via Clustering in a Small Delay-Coupled Laser Network. *Epl*, vol. 79, no. 6, pp. 64003 ISSN 0295-5075. DOI 10.1209/0295-5075/79/64003.

GONZALEZ, C.M., BULDU, J.M., TORRENT, M.C. and GARCIA-OJALVO, J., 2007. Processing Distributed Inputs in Coupled Excitable Lasers. *Physical Review a*, NOV, vol. 76, no. 5, pp. 053824 ISSN 1050-2947. DOI 10.1103/PhysRevA.76.053824.

GONZALEZ, C.M., TORRENT, M.C. and GARCIA-OJALVO, J., 2007. Controlling the Leader-Laggard Dynamics in Delay-Synchronized Lasers. *Chaos*, SEP, vol. 17, no. 3, pp. 033122 ISSN 1054-1500. DOI 10.1063/1.2780131.

GORDIETS, B.F., INESTROSA-IZURIETA, M.J., NAVARRO, A. and BERTRAN, E., 2011. Nanoparticles in SiH₄-Ar Plasma: Modelling and Comparison with Experimental Data. *Journal of Applied Physics*, NOV 15, vol. 110, no. 10, pp. 103302 ISSN 0021-8979. DOI 10.1063/1.3658249.

GOROBETS, A., et al, 2011. Hybrid MPI Plus OpenMP Parallelization of an FFT-Based 3D Poisson Solver with One Periodic Direction. *Computers & Fluids*, OCT, vol. 49, no. 1, pp. 101-109 ISSN 0045-7930. DOI 10.1016/j.compfluid.2011.05.003.

GOROBETS, A., TRIAS, F.X., SORIA, M. and OLIVA, A., 2010. A Scalable Parallel Poisson Solver for Three-Dimensional Problems with One Periodic Direction. *Computers & Fluids*, MAR, vol. 39, no. 3, pp. 525-538 ISSN 0045-7930. DOI 10.1016/j.compfluid.2009.10.005.



GRAY, D.C., et al, 2008. In Vivo Imaging of the Fine Structure of Rhodamine-Labeled Macaque Retinal Ganglion Cells. *Investigative Ophthalmology & Visual Science*, JAN, vol. 49, no. 1, pp. 467-473 ISSN 0146-0404. DOI 10.1167/iovs.07-0605.

GUARDO, A., et al, 2009. A CFD Approach to Evaluate the Influence of Construction and Operation Parameters on the Performance of Active Transparent Facades in Mediterranean Climates. *Energy and Buildings*, MAY, vol. 41, no. 5, pp. 534-542 ISSN 0378-7788. DOI 10.1016/j.enbuild.2008.11.019.

GUAUS, E., ERRACHID, A. and TORRENT-BURGUES, J., 2008. Voltammetric Response of a Glassy Carbon Electrode Modified by a Langmuir-Blodgett Film of a Thiomacrocyclic Compound. *Journal of Electroanalytical Chemistry*, MAR 15, vol. 614, no. 1-2, pp. 73-82 ISSN 1572-6657. DOI 10.1016/j.jelechem.2007.11.017.

GUAUS, E., TORRENT-BURGUES, J., ZINE, N. and ERRACHID, A., 2009. Glassy Carbon Electrode Modified with a Langmuir-Blodgett Film of a Thiomacrocyclic Ionophore for Cu(II) Recognition. *Sensor Letters*, OCT, vol. 7, no. 5, pp. 1006-1011 ISSN 1546-198X. DOI 10.1166/sl.2009.1189.

GUERECA, L.P., AGELL, N., GASSO, S. and MARIA BALDASANO, J., 2007. Fuzzy Approach to Life Cycle Impact Assessment - an Application for Biowaste Management Systems. *International Journal of Life Cycle Assessment*, NOV, vol. 12, no. 7, pp. 488-496 ISSN 0948-3349. DOI 10.1065/lca2006.10.276.

GUTIERREZ, M.C., LOPEZ-MESAS, M., LACORTE, M.T. and CEGARRA, J., 2009. Infrared Analysis of the Amino Group Content in Functional Aminopolydimethylsiloxanes. *Fibers and Polymers*, AUG, vol. 10, no. 4, pp. 437-441 ISSN 1229-9197. DOI 10.1007/s12221-009-0437-6.

HALDOUPIS, C., et al, 2010. More Evidence for a One-to-One Correlation between Sprites and Early VLF Perturbations. *Journal of Geophysical Research-Space Physics*, JUL 10, vol. 115, pp. A07304 ISSN 0148-0227. DOI 10.1029/2009JA015165.

HARTMANN, S., et al, 2009. A Contact Domain Method for Large Deformation Frictional Contact Problems. Part 2: Numerical Aspects. *Computer Methods in Applied Mechanics and Engineering*, vol. 198, no. 33-36, pp. 2607-2631 ISSN 0045-7825. DOI 10.1016/j.cma.2009.03.009.

HARTMANN, S., et al, 2010. A 3D Frictionless Contact Domain Method for Large Deformation Problems. *Cmes-Computer Modeling in Engineering & Sciences*, JAN, vol. 55, no. 3, pp. 211-269 ISSN 1526-1492.

HASMANN, A., et al, 2011. Sensor Materials for the Detection of Human Neutrophil Elastase and Cathepsin G Activity in Wound Fluid. *Experimental Dermatology*, JUN, vol. 20, no. 6, pp. 508-513 ISSN 0906-6705. DOI 10.1111/j.1600-0625.2011.01256.x.

HAURIE, L., et al, 2007. Effects of Milling on the Thermal Stability of Synthetic Hydromagnesite. *Materials Research Bulletin*, JUN 5, vol. 42, no. 6, pp. 1010-1018 ISSN 0025-5408. DOI 10.1016/j.materresbull.2006.09.020.



HEIDRICH, O., HARVEY, J. and TOLLIN, N., 2009. Stakeholder Analysis for Industrial Waste Management Systems. *Waste Management*, FEB, vol. 29, no. 2, pp. 965-973 ISSN 0956-053X. DOI 10.1016/j.wasman.2008.04.013.

HERNANDEZ, J.A., CANTE, J.C., OLIVER, J. and WEYLER, R., 2011. On the Proper Characterization of Tooling Motions and Initial Conditions in Powder Die Compaction Modeling. *Journal of Materials Processing Technology*, AUG, vol. 211, no. 8, pp. 1348-1357 ISSN 0924-0136. DOI 10.1016/j.jmatprotec.2011.03.006.

HERNANDEZ, J.A., OLIVER, J., CANTE, J.C. and WEYLER, R., 2011. Numerical Modeling of Crack Formation in Powder Forming Processes. *International Journal of Solids and Structures*, JAN 15, vol. 48, no. 2, pp. 292-316 ISSN 0020-7683. DOI 10.1016/j.ijsolstr.2010.10.002.

HERNANDEZ, J.A., OLIVER, J., CANTE, J.C. and WEYLER, R., 2011. A Robust Approach to Model Densification and Crack Formation in Powder Compaction Processes. *International Journal for Numerical Methods in Engineering*, AUG 26, vol. 87, no. 8, pp. 735-767 ISSN 0029-5981. DOI 10.1002/nme.3130.

HERRERO, R., BARASHENKOV, I.V., ALEXEEVA, N.V. and STALIUNAS, K., 2011. Anisotropic Subdiffractive Solitons. *Chaos Solitons & Fractals*, DEC, vol. 44, no. 12, pp. 1070-1074 ISSN 0960-0779. DOI 10.1016/j.chaos.2011.08.010.

HIJANO, E., et al, 2011. Optimal Pulse for Orbital Reconstruction from Ionization Maps in Aligned Molecules. *Journal of Modern Optics*, vol. 58, no. 13, pp. 1166-1172 ISSN 0950-0340. DOI 10.1080/09500340.2011.582964.

HMOUDA, I., RODRIGUEZ, I., BOUDEN, C. and OLIVA, A., 2010. Unsteady Natural Convection Cooling of a Water Storage Tank with an Internal Gas Flue. *International Journal of Thermal Sciences*, JAN, vol. 49, no. 1, pp. 36-47 ISSN 1290-0729. DOI 10.1016/j.ijthermalsci.2009.05.011.

HONG, Y., et al, 2010. Thermal Effects and Dynamical Hysteresis in the Turn-on and Turn-Off of Vertical-Cavity Surface-Emitting Lasers. *Optics Letters*, NOV 1, vol. 35, no. 21, pp. 3688-3690 ISSN 0146-9592.

HORRILLO, S., PEREZ-CABRE, E. and MILLAN, M.S., 2010. Information Compression for Remote Readable ID Tags. *Journal of Optics*, NOV, vol. 12, no. 11, pp. 115404 ISSN 2040-8978. DOI 10.1088/2040-8978/12/11/115404.

HOSSAIN, K.M.G., DIAZ GONZALEZ, M., DAGA MONMANY, J.M. and TZANOV, T., 2010. Effects of Alkyl Chain Lengths of Gallates upon Enzymatic Wool Functionalisation. *Journal of Molecular Catalysis B-Enzymatic*, DEC, vol. 67, no. 3-4, pp. 231-235 ISSN 1381-1177. DOI 10.1016/j.molcatb.2010.08.011.

HOSSAIN, K.M.G., JUAN, A.R. and TZANOV, T., 2008. Simultaneous Protease and Transglutaminase Treatment for Shrink Resistance of Wool. *Biocatalysis and Biotransformation*, vol. 26, no. 5, pp. 405-411 ISSN 1024-2422. DOI 10.1080/10242420802364940.



HUTCHINSON, J.M., 2009. Determination of the Glass Transition Temperature. *Journal of Thermal Analysis and Calorimetry*, DEC, vol. 98, no. 3, pp. 579-589 ISSN 1388-6150. DOI 10.1007/s10973-009-0268-0.

IESAN, D. and QUINTANILLA, R., 2007. On the Deformation of Inhomogeneous Orthotropic Elastic Cylinders. *European Journal of Mechanics A-Solids*, NOV-DEC, vol. 26, no. 6, pp. 999-1015 ISSN 0997-7538. DOI 10.1016/j.euromechsol.2007.03.004.

IESAN, D. and QUINTANILLA, R., 2007. Some Theorems in the Theory of Microstretch Thermopiezoelectricity. *International Journal of Engineering Science*, JAN, vol. 45, no. 1, pp. 1-16 ISSN 0020-7225. DOI 10.1016/j.ijengsci.2006.10.001.

IGLESIAS, J. and VILLA, A.E.P., 2010. Recurrent Spatiotemporal Firing Patterns in Large Spiking Neural Networks with Ontogenetic and Epigenetic Processes. *Journal of Physiology-Paris*, MAY-SEP, vol. 104, no. 3-4, pp. 137-146 ISSN 0928-4257. DOI 10.1016/j.jphysparis.2009.11.016.

IGNACIO PALACIOS, J., ROMEU, J. and BALASTEGUI, A., 2010. Two Step Optimization of Transducer Locations in Single Input Single Output Tonal Global Active Noise Control in Enclosures. *Journal of Vibration and Acoustics-Transactions of the Asme*, DEC, vol. 132, no. 6, pp. 061011 ISSN 1048-9002. DOI 10.1115/1.402122.

IGNACIO VELASCO, J., ANTUNES, M., REALINHO, V. and ARDANUY, M., 2011. Characterization of Rigid Polypropylene-Based Microcellular Foams Produced by Batch Foaming Processes. *Polymer Engineering and Science*, NOV, vol. 51, no. 11, pp. 2120-2128 ISSN 0032-3888. DOI 10.1002/pen.22048.

ILIEW, R., ETRICH, C., LEDERER, F. and STALIUNAS, K., 2010. Nonlinear all-Photonic-Crystal Fabry-Perot Resonator with Angle-Independent Bistability. *Optics Letters*, DEC 1, vol. 35, no. 23, pp. 3907-3909 ISSN 0146-9592. DOI 10.1364/OL.35.003907.

ILIEW, R., et al, 2008. Subdiffractive all-Photonic Crystal Fabry-Perot Resonators. *Optics Letters*, NOV 15, vol. 33, no. 22, pp. 2695-2697 ISSN 0146-9592. DOI 10.1364/OL.33.002695.

ILLESCAS, S., et al, 2010. The Role of Polyhedral Oligomeric Silsesquioxane on the Thermo-Mechanical Properties of Polyoxymethylene Copolymer Based Nanocomposites. *Journal of Nanoscience and Nanotechnology*, FEB, vol. 10, no. 2, pp. 1349-1360 ISSN 1533-4880. DOI 10.1166/jnn.2010.1845.

ILLESCAS, S., et al, 2009. Study of the Mechanical Properties of Low Carbon Content HSLA Steels. *Revista De Metalurgia*, NOV-DEC, vol. 45, no. 6, pp. 424-431 ISSN 0034-8570. DOI 10.3989/revmetalm.0902.

ILLESCAS, S., et al, 2011. The Morphology and Properties of Melt-Mixed polyoxymethylene/monosilanolisobutyl-POSS Composites. *High Performance Polymers*, SEP, vol. 23, no. 6, pp. 457-467 ISSN 0954-0083. DOI 10.1177/0954008311415301.



INGIMUNDARSON, A., et al, 2009. Robust Fault Detection using Zonotope-Based Set-Membership Consistency Test. *International Journal of Adaptive Control and Signal Processing*, APR, vol. 23, no. 4, pp. 311-330 ISSN 0890-6327. DOI 10.1002/acs.1038.

INGIMUNDARSON, A., STEFANOPOULOU, A.G. and MCKAY, D.A., 2008. Model-Based Detection of Hydrogen Leaks in a Fuel Cell Stack. *IEEE Transactions on Control Systems Technology*, SEP, vol. 16, no. 5, pp. 1004-1012 ISSN 1063-6536. DOI 10.1109/TCST.2007.916311.

INGRAM, M.D., IMRIE, C.T., LEDRU, J. and HUTCHINSON, J.M., 2008. Unified Approach to Ion Transport and Structural Relaxation in Amorphous Polymers and Glasses. *Journal of Physical Chemistry B*, JAN 24, vol. 112, no. 3, pp. 859-866 ISSN 1520-6106. DOI 10.1021/jp0754482.

INNA, P., NURIA, D., JORDI, G. and PABLO, V., 2010. Modeling Type I IFN Pathway in Macrophages: Implications for Immunotherapy. *Journal of Neuroimmunology*, NOV 15, vol. 228, no. 1-2, pp. 115-115 ISSN 0165-5728.

JAEN, C., et al, 2007. Design of a Sliding Mode Controller Based on Local Averaged Technique and Applied to the Buck Converter. *Przegląd Elektrotechniczny*, vol. 83, no. 10, pp. 99-102 ISSN 0033-2097.

JARAMILLO, J.E., PEREZ-SEGARRA, C.D., OLIVA, A. and CLARAMUNT, K., 2007. Analysis of Different RANS Models Applied to Turbulent Forced Convection. *International Journal of Heat and Mass Transfer*, SEP, vol. 50, no. 19-20, pp. 3749-3766 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2007.02.015.

JARAMILLO, J.E., PEREZ-SEGARRA, C.D., OLIVA, A. and OLIET, C., 2009. Analysis of the Dynamic Behavior of Refrigerated Spaces using Air Curtains. *Numerical Heat Transfer Part A-Applications*, vol. 55, no. 6, pp. 553-573 ISSN 1040-7782. DOI 10.1080/10407780902816235.

JARAMILLO, J.E., PEREZ-SEGARRA, C.D., RODRIGUEZ, I. and OLIVA, A., 2008. Numerical Study of Plane and Round Impinging Jets using RANS Models. *Numerical Heat Transfer Part B-Fundamentals*, vol. 54, no. 3, pp. 213-237 ISSN 1040-7790. DOI 10.1080/10407790802289938.

JARAMILLO, J.E., PEREZ-SEGARRA, C.D., LEHMKUHL, O. and CASTRO, J., 2011. Detailed Analysis of Turbulent Flows in Air Curtains. *Progress in Computational Fluid Dynamics*, vol. 11, no. 6, pp. 350-362 ISSN 1468-4349. DOI 10.1504/PCFD.2011.042845.

JIMENEZ, S., GENESCA, M., ROMEU, J. and SANCHEZ, A., 2008. Estimation of Night Traffic Noise Levels. *Acta Acustica United with Acustica*, JUL-AUG, vol. 94, no. 4, pp. 563-567 ISSN 1610-1928. DOI 10.3813/AAA.918065.

JUAREZ, A.A., VILASECA, R., ZHU, Z. and GAUTHIER, D.J., 2008. Room-Temperature Spectral Hole Burning in an Engineered Inhomogeneously Broadened Resonance. *Optics Letters*, OCT 15, vol. 33, no. 20, pp. 2374-2376 ISSN 0146-9592. DOI 10.1364/OL.33.002374.



JULIO, G., MERINDANO, D., CANALS, M. and RALLO, M., 2010. Image Processing Techniques in a Preliminary Morphometric Characterization of Corneal Epithelium by Scanning Electron Microscopy. *Microscopy Research and Technique*, OCT, vol. 73, no. 11, pp. 1059-1066 ISSN 1059-910X. DOI 10.1002/jemt.20833.

JULIO, G., MERINDANO, M.D., CANALS, M. and RALLO, M., 2008. Image Processing Techniques to Quantify Microprojections on Outer Corneal Epithelial Cells. *Journal of Anatomy*, JUN, vol. 212, no. 6, pp. 879-886 ISSN 0021-8782. DOI 10.1111/j.1469-7580.2008.00898.x.

KALINOWSKI, K., et al, 2011. Wavelength and Position Tuning of Cerenkov Second-Harmonic Generation in Optical Superlattice. *Applied Physics Letters*, OCT 31, vol. 99, no. 18, pp. 181128 ISSN 0003-6951. DOI 10.1063/1.3659493.

KALMAR, T., et al, 2009. Regulated Fluctuations in Nanog Expression Mediate Cell Fate Decisions in Embryonic Stem Cells. *Plos Biology*, JUL, vol. 7, no. 7, pp. e1000149 ISSN 1544-9173. DOI 10.1371/journal.pbio.1000149.

KOLPAKOV, S., et al, 2008. Experimental Demonstration of Hyperbolic Patterns. *Physical Review Letters*, DEC 19, vol. 101, no. 25, pp. 254101 ISSN 0031-9007. DOI 10.1103/PhysRevLett.101.254101.

KOMOLOV, K.E., et al, 2010. On-Chip Photoactivation of Heterologously Expressed Rhodopsin Allows Kinetic Analysis of G-Protein Signaling by Surface Plasmon Resonance Spectroscopy. *Analytical and Bioanalytical Chemistry*, AUG, vol. 397, no. 7, pp. 2967-2976 ISSN 1618-2642. DOI 10.1007/s00216-010-3876-4.

KORBICZ, J., WITCZAK, M. and PUIG, V., 2007. LMI-Based Strategies for Designing Observers and Unknown Input Observers for Non-Linear, Discrete-Time Systems. *Bulletin of the Polish Academy of Sciences-Technical Sciences*, MAR, vol. 55, no. 1, pp. 31-42 ISSN 0239-7528.

KOESKA, A., et al, 2010. Cooperative Differentiation through Clustering in Multicellular Populations. *Journal of Theoretical Biology*, MAR 21, vol. 263, no. 2, pp. 189-202 ISSN 0022-5193. DOI 10.1016/j.jtbi.2009.11.007.

KOESKA, A., ZAIKIN, A., GARCIA-OJALVO, J. and KURTHS, J., 2007. Stochastic Suppression of Gene Expression Oscillators Under Intercell Coupling. *Physical Review E*, MAR, vol. 75, no. 3, pp. 031917 ISSN 1539-3755. DOI 10.1103/PhysRevE.75.031917.

KOESKA, A., ZAIKIN, A., KURTHS, J. and GARCIA-OJALVO, J., 2009. Timing Cellular Decision Making Under Noise Via Cell-Cell Communication. *Plos One*, MAR 13, vol. 4, no. 3, pp. e4872 ISSN 1932-6203. DOI 10.1371/journal.pone.0004872.

KOSMAOGLU, M., et al, 2009. A Dual Role for EDEM1 in the Processing of Rod Opsin. *Journal of Cell Science*, DEC 15, vol. 122, no. 24, pp. 4465-4472 ISSN 0021-9533. DOI 10.1242/jcs.055228.



KOURO, S., et al, 2010. Recent Advances and Industrial Applications of Multilevel Converters. *IEEE Transactions on Industrial Electronics*, AUG, vol. 57, no. 8, pp. 2553-2580 ISSN 0278-0046. DOI 10.1109/TIE.2010.2049719.

KUCHINA, A., et al, 2011. Temporal Competition between Differentiation Programs Determines Cell Fate Choice. *Molecular Systems Biology*, DEC, vol. 7, pp. 557 ISSN 1744-4292. DOI 10.1038/msb.2011.88.

KUCHINA, A., ESPINAR, L., GARCIA-OJALVO, J. and SUEEL, G.M., 2011. Reversible and Noisy Progression Towards a Commitment Point Enables Adaptable and Reliable Cellular Decision-Making. *Plos Computational Biology*, NOV, vol. 7, no. 11, pp. e1002273 ISSN 1553-734X. DOI 10.1371/journal.pcbi.1002273.

KUMAR, S., BERGADA, J.M. and WATTON, J., 2009. Axial Piston Pump Grooved Slipper Analysis by CFD Simulation of Three-Dimensional NVS Equation in Cylindrical Coordinates. *Computers & Fluids*, MAR, vol. 38, no. 3, pp. 648-663 ISSN 0045-7930. DOI 10.1016/j.compfluid.2008.06.007.

KUSTER, M., et al, 2008. Analysis of 17 Polar to Semi-Polar Pesticides in the Ebro River Delta during the Main Growing Season of Rice by Automated on-Line Solid-Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry. *Talanta*, APR 15, vol. 75, no. 2, pp. 390-401 ISSN 0039-9140. DOI 10.1016/j.talanta.2007.11.027.

LABAY, C., CANAL, C. and GARCIA-CELMA, M.J., 2010. Influence of Corona Plasma Treatment on Polypropylene and Polyamide 6.6 on the Release of a Model Drug. *Plasma Chemistry and Plasma Processing*, DEC, vol. 30, no. 6, pp. 885-896 ISSN 0272-4324. DOI 10.1007/s11090-010-9255-2.

LAMICH, M., et al, 2009. Minimization of Leading Current in a Three Phase Four Wires Shunt Hybrid Filter. *Przegląd Elektrotechniczny*, vol. 85, no. 10, pp. 290-294 ISSN 0033-2097.

LAMICH, M., BALCELLS, J., GONZALEZ, D. and GAGO, J., 2007. New Structure for Three-Phase, Four-Wires Shunt Active Filter. *Przegląd Elektrotechniczny*, vol. 83, no. 10, pp. 73-77 ISSN 0033-2097.

LEDRU, J., et al, 2007. High Pressure Differential Scanning Calorimetry Investigations on the Pressure Dependence of the Melting of Paracetamol Polymorphs I and II. *Journal of Pharmaceutical Sciences*, OCT, vol. 96, no. 10, pp. 2784-2794 ISSN 0022-3549. DOI 10.1002/jps.20903.

LESEDUARTE, M.C. and QUINTANILLA, R., 2008. Saint-Venant Decay Rates for an Anisotropic and Non-Homogeneous Mixture of Elastic Solids in Anti-Plane Shear. *International Journal of Solids and Structures*, MAR 15, vol. 45, no. 6, pp. 1697-1712 ISSN 0020-7683. DOI 10.1016/j.ijsolstr.2007.10.010.

LEZANA, P., et al, 2010. Survey on Fault Operation on Multilevel Inverters. *IEEE Transactions on Industrial Electronics*, JUL, vol. 57, no. 7, pp. 2207-2218 ISSN 0278-0046. DOI 10.1109/TIE.2009.2032194.



LI, B., et al, 2011. Study of the Impact of Hot Carrier Injection to Immunity of MOSFET to Electromagnetic Interferences. *Microelectronics Reliability*, SEP-NOV, vol. 51, no. 9-11, pp. 1557-1560 ISSN 0026-2714. DOI 10.1016/j.microrel.2011.06.010.

LIMA, F.K.A., et al, 2010. Rotor Voltage Dynamics in the Doubly Fed Induction Generator during Grid Faults. *Ieee Transactions on Power Electronics*, JAN, vol. 25, no. 1, pp. 118-130 ISSN 0885-8993. DOI 10.1109/TPEL.2009.2025651.

LIU, Z. and QUINTANILLA, R., 2010. Analyticity of Solutions in Type III Thermoelastic Plates. *Ima Journal of Applied Mathematics*, JUN, vol. 75, no. 3, pp. 356-365 ISSN 0272-4960. DOI 10.1093/imamat/hxq016.

LIU, Z. and QUINTANILLA, R., 2010. Analyticity of Solutions in Type III Thermoelastic Plates [Republished Article]. *Ima Journal of Applied Mathematics*, AUG, vol. 75, no. 4, pp. 637-646 ISSN 0272-4960. DOI 10.1093/imamat/hxq041.

LIU, Z. and QUINTANILLA, R., 2010. Energy Decay Rate of a Mixed Type Ii and Type Iii Thermoelastic System. *Discrete and Continuous Dynamical Systems-Series B*, NOV, vol. 14, no. 4, pp. 1433-1444 ISSN 1531-3492. DOI 10.3934/dcdsb.2010.14.1433.

LLONGUERAS, M.D. and MAGANA, A., 2008. Alliances, Partnerships and the Banzhaf Semivalue. *Annals of Operations Research*, FEB, vol. 158, no. 1, pp. 63-79 ISSN 0254-5330. DOI 10.1007/s10479-007-0245-6.

LLUCH, S., VENTURA, J. and LOPEZ-FUSTER, M.J., 2008. Eye Morphology in some Wild Rodents. *Anatomia Histologia Embryologia*, FEB, vol. 37, no. 1, pp. 41-51 ISSN 0340-2096. DOI 10.1111/j.1439-0264.2007.00796.x.

LLUCH, S., JOSE LOPEZ-FUSTER, M. and VENTURA, J., 2009. Cornea, Retina, and Lens Morphology in Five Soricidae Species (Soricomorpha: Mammalia). *Anatomical Science International*, DEC, vol. 84, no. 4, pp. 312-322 ISSN 1447-6959. DOI 10.1007/s12565-009-0042-1.

LOIKO, Y., et al, 2009. Doppler-Free Adiabatic Self-Induced Transparency. *Physical Review a*, MAY, vol. 79, no. 5, pp. 053809 ISSN 1050-2947. DOI 10.1103/PhysRevA.79.053809.

LOIKO, Y., et al, 2007. Ultrashort Pulse Control of Space-Dependent Excitations in a Three-Level System. *Physical Review a*, FEB, vol. 75, no. 2, pp. 023801 ISSN 1050-2947. DOI 10.1103/PhysRevA.75.023801.

LOIKO, Y., et al, 2007. Towards Observation of Sub-Diffractive Pulse Propagation in Photonic Crystals. *Optics Communications*, NOV 15, vol. 279, no. 2, pp. 377-383 ISSN 0030-4018. DOI 10.1016/j.optcom.2007.07.015.

LOIKO, Y. and SERRAT, C., 2007. Theory of Coherent Stark Nonlinear Spectroscopy in a Three-Level System. *Physical Review a*, JUL, vol. 76, no. 1, pp. 013815 ISSN 1050-2947. DOI 10.1103/PhysRevA.76.013815.



LOIKO, Y., SERRAT, C., HERRERO, R. and STALIUNAS, K., 2007. Quantitative Analysis of Subdiffractive Light Propagation in Photonic Crystals. *Optics Communications*, JAN 1, vol. 269, no. 1, pp. 128-136 ISSN 0030-4018. DOI 10.1016/j.optcom.2006.07.036.

LONGHI, S. and STALIUNAS, K., 2008. Self-Collimation and Self-Imaging Effects in Modulated Waveguide Arrays. *Optics Communications*, SEP 1, vol. 281, no. 17, pp. 4343-4347 ISSN 0030-4018. DOI 10.1016/j.optcom.2008.05.014.

LOPEZ, J., CELLIER, F.E. and CEMBRANO, G., 2011. Estimating the Horizon of Predictability in Time-Series Predictions using Inductive Modelling Tools. *International Journal of General Systems*, vol. 40, no. 3, pp. 263-282 ISSN 0308-1079. DOI 10.1080/03081079.2010.536540.

LOPEZ-GRIMAU, V., AMANTE GARCIA, B. and GUTIERREZ, M.C., 2010. Viability Study on the Reuse of Textile Dye Baths. *Afinidad*, MAY-JUN, vol. 67, no. 547, pp. 182-186 ISSN 0001-9704.

LOPEZ-MESAS, M., CARRILLO, F., GUTIERREZ, M.C. and CRESPI, M., 2007. Alternative Methods for the Wool Wax Extraction from Wool Scouring Wastes. *Grasas y Aceites*, OCT-DEC, vol. 58, no. 4, pp. 402-407 ISSN 0017-3495.

LOPEZ-MESAS, M., et al, 2007. Supercritical Fluid Extraction as a Clean-Up Method for the Extraction of Pesticides from Wool Wax. A Preliminary Approach. *Grasas y Aceites*, APR-JUN, vol. 58, no. 2, pp. 148-153 ISSN 0017-3495.

LOPEZ-MESAS, M., NAVARRETE, E.R., CARRILLO, F. and PALET, C., 2011. Bioseparation of Pb(II) and Cd(II) from Aqueous Solution using Cork Waste Biomass. Modeling and Optimization of the Parameters of the Biosorption Step. *Chemical Engineering Journal*, OCT 15, vol. 174, no. 1, pp. 9-17 ISSN 1385-8947. DOI 10.1016/j.cej.2011.07.026.

LORENA, S., MARTI, C. and ROBERTO, S., 2011. Comparative Study between Activated Sludge Versus Membrane Bioreactor for Textile Wastewater. *Desalination and Water Treatment*, NOV, vol. 35, no. 1-3, pp. 101-109 ISSN 1944-3994. DOI 10.5004/dwt.2011.3136.

LU, G., et al, 2011. Lightning Development Associated with Two Negative Gigantic Jets. *Geophysical Research Letters*, JUN 21, vol. 38, pp. L12801 ISSN 0094-8276. DOI 10.1029/2011GL047662.

LUIS DOMINGUEZ-JUAREZ, J., MACOVEZ, R., UJUE GONZALEZ, M. and MARTORELL, J., 2010. Molecular Chi((2)) Gratings Via Electron-Beam Lithography. *Applied Physics Letters*, JUL 12, vol. 97, no. 2, pp. 023307 ISSN 0003-6951. DOI 10.1063/1.3464161.

LUNA, A., et al, 2011. Simplified Modeling of a DFIG for Transient Studies in Wind Power Applications. *IEEE Transactions on Industrial Electronics*, JAN, vol. 58, no. 1, pp. 9-20 ISSN 0278-0046. DOI 10.1109/TIE.2010.2044131.

MACANAS, J., et al, 2011. Hydrogen Generation by Aluminum Corrosion in Aqueous Alkaline Solutions of Inorganic Promoters: The AlHidrox Process. *Energy*, MAY, vol. 36, no. 5, pp. 2493-2501 ISSN 0360-5442. DOI 10.1016/j.energy.2011.01.041.



MACOVEZ, R., MARIANO, M., DI FINIZIO, S. and MARTORELL, J., 2009. Measurement of the Dispersion of Air and of Refractive Index Anomalies by Wavelength-Dependent Nonlinear Interferometry. *Optics Express*, AUG 3, vol. 17, no. 16, pp. 13881-13888 ISSN 1094-4087.

MAGANA, A. and QUINTANILLA, R., 2009. Uniqueness and Growth of Solutions in Two-Temperature Generalized Thermoelastic Theories. *Mathematics and Mechanics of Solids*, SEP, vol. 14, no. 7, pp. 622-634 ISSN 1081-2865. DOI 10.1177/1081286507087653.

MAGANA, A. and QUINTANILLA, R., 2011. On the Spatial Behavior of Solutions for Non-Linear Type II Heat Conduction. *International Journal of Non-Linear Mechanics*, NOV, vol. 46, no. 9, pp. 1252-1257 ISSN 0020-7462. DOI 10.1016/j.ijnonlinmec.2011.06.003.

MAGANA, A. and QUINTANILLA, R., 2007. On the Time Decay of Solutions in Porous-Elasticity with Quasi-Static Microvoids. *Journal of Mathematical Analysis and Applications*, JUL 1, vol. 331, no. 1, pp. 617-630 ISSN 0022-247X. DOI 10.1016/j.jmaa.2006.08.086.

MAIGYTE, L., et al, 2010. Signatures of Light-Beam Spatial Filtering in a Three-Dimensional Photonic Crystal. *Physical Review A*, OCT 13, vol. 82, no. 4, pp. 043819 ISSN 1050-2947. DOI 10.1103/PhysRevA.82.043819.

MAILLO, J., et al, 2008. The Relationship between Dyeing Behavior and Fine Structure in Polyamide 6 Fibers - the Influence of Drawing Ratio. *Aatcc Review*, MAR, vol. 8, no. 3, pp. 39-43 ISSN 1532-8813.

MANICH, A.M., et al, 2011. Differential Scanning Calorimetry and Elasticity of Textured, Heat Set and Mechanical Strained Polylactide Multifilaments. *Fibres & Textiles in Eastern Europe*, NOV-DEC, vol. 19, no. 6, pp. 22-27 ISSN 1230-3666.

MANICH, A.M., et al, 2010. Thermal Transitions of Polylactide False-Twist Textured Multifilaments Determined by DSC and TMA. *Journal of Thermal Analysis and Calorimetry*, MAR, vol. 99, no. 3, pp. 723-731 ISSN 1388-6150. DOI 10.1007/s10973-009-0616-0.

MANICH, A.M., et al, 2008. Effect of the Air-Jet and the False-Twist Texturing Processes on the Thermomechanical Behaviour of Polyamide 6.6 Yarns. *Journal of Thermal Analysis and Calorimetry*, SEP, vol. 93, no. 3, pp. 921-926 ISSN 1388-6150. DOI 10.1007/s10973-007-8556-z.

MANICH, A.M., et al, 2007. Effect of the Air-Jet and the False-Twist Texturing Processes on the Stress-Relaxation of Polyamide 6.6 Yarns. *Journal of Applied Polymer Science*, SEP 5, vol. 105, no. 5, pp. 2482-2487 ISSN 0021-8995. DOI 10.1002/app.26438.

MANICH, A.M., et al, 2007. The Effects of Texturing Induced Microstructural Changes on the Relaxation Behaviour of Polyamide 66 Multifilament Yarns. *Fibers and Polymers*, OCT, vol. 8, no. 5, pp. 512-519 ISSN 1229-9197. DOI 10.1007/BF02875874.

MANJARREZ, E., et al, 2007. Phantom Reflexes: Muscle Contractions at a Frequency Not Physically Present in the Input Stimuli. *Biosystems*, SEP-OCT, vol. 90, no. 2, pp. 379-388 ISSN 0303-2647. DOI 10.1016/j.biosystems.2006.10.002.



MANOSA, V., 2008. A Note on Globally Periodic Maps and Integrability. *Journal of Difference Equations and Applications*, vol. 14, no. 6, pp. 667-670 ISSN 1023-6198. DOI 10.1080/10236190801912332.

MARCH, V. and MONTANYA, J., 2011. X-Rays from Laboratory Sparks in Air: The Role of the Cathode in the Production of Runaway Electrons. *Geophysical Research Letters*, FEB 18, vol. 38, pp. L04803 ISSN 0094-8276. DOI 10.1029/2010GL046540.

MARCH, V., et al, 2009. Features of Electrical Discharges in Air Triggered by Laser. *Journal of Electrostatics*, MAY, vol. 67, no. 2-3, pp. 301-306 ISSN 0304-3886. DOI 10.1010/j.elstat.2009.01.039.

MARCH, V. and MONTANYA, J., 2010. Influence of the Voltage-Time Derivative in X-Ray Emission from Laboratory Sparks. *Geophysical Research Letters*, OCT 1, vol. 37, pp. L19801 ISSN 0094-8276. DOI 10.1029/2010GL044543.

MARINA AGUDELO, R., et al, 2010. Simultaneous Removal of Chlorpyrifos and Dissolved Organic Carbon using Horizontal Sub-Surface Flow Pilot Wetlands. *Ecological Engineering*, OCT, vol. 36, no. 10, pp. 1401-1408 ISSN 0925-8574. DOI 10.1016/j.ecoleng.2010.06.019.

MARRUGO, A.G., SOREL, M., SROUBEK, F. and MILLAN, M.S., 2011. Retinal Image Restoration by Means of Blind Deconvolution. *Journal of Biomedical Optics*, NOV, vol. 16, no. 11, pp. 116016 ISSN 1083-3668. DOI 10.1117/1.3652709.

MARTI, A.C., PONCE, M. and MASOLLER, C., 2008. Dynamics of Delayed-Coupled Chaotic Logistic Maps: Influence of Network Topology, Connectivity and Delay Times. *Pramana-Journal of Physics*, JUN, vol. 70, no. 6, pp. 1117-1125 ISSN 0304-4289. DOI 10.1007/s12043-008-0116-y.

MARTIN PEREZ, L., et al, 2010. Quantification of Helicobacter Pylori Levels in Soil Samples from Public Playgrounds in Spain. *Journal of Zhejiang University-Science B*, JAN, vol. 11, no. 1, pp. 27-29 ISSN 1673-1581. DOI 10.1631/jzus.B0900238.

MARTIN PEREZ, L., et al, 2011. Prevalence Study of Simkania Negevensis in Cooling Towers in Spain. *Journal of Water and Health*, vol. 9, no. 2, pp. 312-316 ISSN 1477-8920. DOI 10.2166/wh.2010.216.

MARTINEZ, A.B., ARTUS, P., DUERSTETER, J.C. and ARENCON, D., 2010. Fracture Behaviour of Thermosetting Polymers for Ophthalmic Lenses. *Engineering Failure Analysis*, JAN, vol. 17, no. 1, pp. 4-10 ISSN 1350-6307. DOI 10.1016/j.engfailanal.2008.11.002.

MARTINEZ, A.B., SEGOVIA, A., GAMEZ-PEREZ, J. and MASPOCH, M.L., 2009. Influence of Femtolaser Notch Sharpening Technique in the Determination of Essential Work of Fracture (EWF) Parameters. *Engineering Fracture Mechanics*, JUN, vol. 76, no. 9, pp. 1247-1254 ISSN 0013-7944. DOI 10.1016/j.engfracmech.2009.01.015.



MARTINEZ, A.B., SEGOVIA, A., GAMEZ-PEREZ, J. and MASPOCH, M.L., 2010. Essential Work of Fracture Analysis of the Tearing of a Ductile Polymer Film. *Engineering Fracture Mechanics*, SEP, vol. 77, no. 14, pp. 2654-2661 ISSN 0013-7944. DOI 10.1016/j.engfracmech.2010.07.017.

MARTINEZ, A.B., XIANG, G., ARENCON, D. and VELASCO, J.I., 2011. Low Energy Impact Indentation of an Epoxy-Carbon Fiber Laminate. *Polymers & Polymer Composites*, vol. 19, no. 7, pp. 553-557 ISSN 0967-3911.

MARTINEZ, A.B., et al, 2011. Microcellular Foaming of Layered Double Hydroxide-Polymer Nanocomposites. *Industrial & Engineering Chemistry Research*, MAY 4, vol. 50, no. 9, pp. 5239-5247 ISSN 0888-5885. DOI 10.1021/ie101375f.

MARTINEZ, O., et al, 2011. Use of Light-Emitting Diodes in Multispectral Systems Design: Variability of Spectral Power Distribution According to Angle and Time of Usage. *Journal of Imaging Science and Technology*, SEP-OCT, vol. 55, no. 5, pp. 050501 ISSN 1062-3701. DOI 10.2352/J.ImagingSci.Technol.2011.55.5.050501.

MARTINEZ-RODA, J.A., et al, 2011. Optical Quality and Intraocular Scattering in a Healthy Young Population. *Clinical and Experimental Optometry*, MAR, vol. 94, no. 2, pp. 223-229 ISSN 0816-4622. DOI 10.1111/j.1444-0938.2010.00535.x.

MASOLLER, C. and ATAY, F.M., 2011. Complex Transitions to Synchronization in Delay-Coupled Networks of Logistic Maps. *European Physical Journal D*, MAR, vol. 62, no. 1, pp. 119-126 ISSN 1434-6060. DOI 10.1140/epjd/e2011-10370-7.

MASOLLER, C. and BRENER, I., 2010. Introduction to the Topical Issue on Laser Dynamics and Nonlinear Photonics. *European Physical Journal D*, JUN, vol. 58, no. 2, pp. 153-159 ISSN 1434-6060. DOI 10.1140/epjd/e2010-00127-3.

MASOLLER, C. and ORIA, M., 2010. Frequency Dynamics of Semiconductor Lasers with Atomic Absorbers: Theory and Experiments. *European Physical Journal D*, JUN, vol. 58, no. 2, pp. 191-196 ISSN 1434-6060. DOI 10.1140/epjd/e2010-00074-y.

MASOLLER, C., ORIA, M. and VILASECA, R., 2009. Modeling a Semiconductor Laser with an Intracavity Atomic Absorber. *Physical Review a*, JUL, vol. 80, no. 1, pp. 013830 ISSN 1050-2947. DOI 10.1103/PhysRevA.80.013830.

MASOLLER, C., SERRAT, C. and VILASECA, R., 2007. Modeling Multi-Longitudinal-Mode Semiconductor Lasers with Incoherent Feedback. *Physical Review a*, OCT, vol. 76, no. 4, pp. 043814 ISSN 1050-2947. DOI 10.1103/PhysRevA.76.043814.

MASOLLER, C., SORRENTINO, T., CHEVROLIER, M. and ORIA, M., 2007. Bistability in Semiconductor Lasers with Polarization-Rotated Frequency-Dependent Optical Feedback. *IEEE Journal of Quantum Electronics*, MAR-APR, vol. 43, no. 3-4, pp. 261-268 ISSN 0018-9197. DOI 10.1109/JQE.2006.889647.



MASOLLER, C., SUKOW, D., GAVRIELIDES, A. and SCIAMANNA, M., 2011. Bifurcation to Square-Wave Switching in Orthogonally Delay-Coupled Semiconductor Lasers: Theory and Experiment. *Physical Review a*, AUG 22, vol. 84, no. 2, pp. 023838 ISSN 1050-2947. DOI 10.1103/PhysRevA.84.023838.

MASOLLER, C. and TORRE, M.S., 2008. Modeling Thermal Effects and Polarization Competition in Vertical-Cavity Surface-Emitting Lasers. *Optics Express*, DEC 22, vol. 16, no. 26, pp. 21282-21296 ISSN 1094-4087. DOI 10.1364/OE.16.021282.

MASOLLER, C. and ROSSO, O.A., 2011. Quantifying the Complexity of the Delayed Logistic Map. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, JAN 28, vol. 369, no. 1935, pp. 425-438 ISSN 1364-503X. DOI 10.1098/rsta.2010.0281.

MASOLLER, C., TORRE, M.S. and SHORE, K.A., 2007. Polarization Dynamics of Current-Modulated Vertical-Cavity Surface-Emitting Lasers. *IEEE Journal of Quantum Electronics*, NOV-DEC, vol. 43, no. 11-12, pp. 1074-1082 ISSN 0018-9197. DOI 10.1109/JQE.2007.907237.

MASOLLER, C., TORRENT, M.C. and GARCIA-OJALVO, J., 2009. Dynamics of Globally Delay-Coupled Neurons Displaying Subthreshold Oscillations. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, AUG 28, vol. 367, no. 1901, pp. 3255-3266 ISSN 1364-503X. DOI 10.1098/rsta.2009.0096.

MASOLLER, C., TORRENT, M.C. and GARCIA-OJALVO, J., 2008. Interplay of Subthreshold Activity, Time-Delayed Feedback, and Noise on Neuronal Firing Patterns. *Physical Review E*, OCT, vol. 78, no. 4, pp. 041907 ISSN 1539-3755. DOI 10.1103/PhysRevE.78.041907.

MASPOCH, M.L., et al, 2009. Fracture Behaviour of Poly[Ethylene-(Vinyl Alcohol)]/organo-Clay Composites. *Polymer International*, JUN, vol. 58, no. 6, pp. 648-655 ISSN 0959-8103. DOI 10.1002/pi.2574.

MATOKA, O., et al, 2009. Optical Techniques for Information Security. *Proceedings of the IEEE*, JUN, vol. 97, no. 6, pp. 1128-1148 ISSN 0018-9219. DOI 10.1109/JPROC.2009.2018367.

MESEGUER, J., PUIG, V. and ESCOBET, T., 2010. Fault Diagnosis using a Timed Discrete-Event Approach Based on Interval Observers: Application to Sewer Networks. *Ieee Transactions on Systems Man and Cybernetics Part A-Systems and Humans*, SEP, vol. 40, no. 5, pp. 900-916 ISSN 1083-4427. DOI 10.1109/TSMCA.2010.2052036.

MESEGUER, J., PUIG, V., ESCOBET, T. and SALUDES, J., 2010. Observer Gain Effect in Linear Interval Observer-Based Fault Detection. *Journal of Process Control*, SEP, vol. 20, no. 8, pp. 944-956 ISSN 0959-1524. DOI 10.1016/j.jprocont.2010.06.017.

MILO, A., et al, 2011. Optimal Economic Exploitation of Hydrogen Based Grid-Friendly Zero Energy Buildings. *Renewable Energy*, JAN, vol. 36, no. 1, pp. 197-205 ISSN 0960-1481. DOI 10.1016/j.renene.2010.06.021.



MIRANVILLE, A. and QUINTANILLA, R., 2011. A Phase-Field Model Based on a Three-Phase-Lag Heat Conduction. *Applied Mathematics and Optimization*, FEB, vol. 63, no. 1, pp. 133-150 ISSN 0095-4616. DOI 10.1007/s00245-010-9114-9.

MIRANVILLE, A. and QUINTANILLA, R., 2011. A Type III Phase-Field System with a Logarithmic Potential. *Applied Mathematics Letters*, JUN, vol. 24, no. 6, pp. 1003-1008 ISSN 0893-9659. DOI 10.1016/j.aml.2011.01.016.

MIRANVILLE, A. and QUINTANILLA, R., 2010. A Caginalp Phase-Field System with a Nonlinear Coupling. *Nonlinear Analysis-Real World Applications*, AUG, vol. 11, no. 4, pp. 2849-2861 ISSN 1468-1218. DOI 10.1016/j.nonrwa.2009.10.008.

MIRANVILLE, A. and QUINTANILLA, R., 2009. A Generalization of the Caginalp Phase-Field System Based on the Cattaneo Law. *Nonlinear Analysis-Theory Methods & Applications*, SEP 1, vol. 71, no. 5-6, pp. 2278-2290 ISSN 0362-546X. DOI 10.1016/j.na.2009.01.061.

MIRANVILLE, A. and QUINTANILLA, R., 2009. Some Generalizations of the Caginalp Phase-Field System. *Applicable Analysis*, vol. 88, no. 6, pp. 877-894 ISSN 0003-6811. DOI 10.1080/00036810903042182.

MIRO, R., et al, 2011. Evaluation of High Modulus Mixture Behaviour with High Reclaimed Asphalt Pavement (RAP) Percentages for Sustainable Road Construction. *Construction and Building Materials*, OCT, vol. 25, no. 10, pp. 3854-3862 ISSN 0950-0618. DOI 10.1016/j.conbuildmat.2011.04.006.

MOLDES, D., CADENA, E.M. and VIDAL, T., 2010. Biobleaching of Eucalypt Kraft Pulp with a Two Laccase-Mediator Stages Sequence. *Bioresource Technology*, SEP, vol. 101, no. 18, pp. 6924-6929 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.03.127.

MOLDES, D., DIAZ, M., TZANOV, T. and VIDAL, T., 2008. Comparative Study of the Efficiency of Synthetic and Natural Mediators in Laccase-Assisted Bleaching of Eucalyptus Kraft Pulp. *Bioresource Technology*, NOV, vol. 99, no. 17, pp. 7959-7965 ISSN 0960-8524. DOI 10.1016/j.biortech.2008.04.002.

MOLDES, D. and VIDAL, T., 2011. New Possibilities of Kraft Pulp Biobleaching with Laccase and Sulfonated Mediators. *Process Biochemistry*, MAR, vol. 46, no. 3, pp. 656-660 ISSN 1359-5113. DOI 10.1016/j.procbio.2010.11.005.

MOLDES, D. and VIDAL, T., 2011. Reutilization of Effluents from Laccase-Mediator Treatments of Kraft Pulp for Biobleaching. *Bioresource Technology*, FEB, vol. 102, no. 3, pp. 3603-3606 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.10.109.

MOLDES, D. and VIDAL, T., 2008. Laccase-HBT Bleaching of Eucalyptus Kraft Pulp: Influence of the Operating Conditions. *Bioresource Technology*, DEC, vol. 99, no. 18, pp. 8565-8570 ISSN 0960-8524. DOI 10.1016/j.biortech.2008.04.008.



MOLDES, D., DIAZ GONZALEZ, M., TZANOV, T. and VIDAL, T., 2009. Mediators-Boosted Enzymatic Bleaching of Eucalyptus Kraft Pulp. *Abstracts of Papers of the American Chemical Society*, MAR 22, vol. 237 ISSN 0065-7727.

MOLINOS-GOMEZ, A., et al, 2007. Synthesis of Colloidal Photonic Crystals with High Nonlinear Optical Performance: Towards Efficient Second-Harmonic Generation with Centrosymmetric Structures. *Advanced Materials*, NOV 19, vol. 19, no. 22, pp. 3814-+ ISSN 0935-9648. DOI 10.1002/adma.200601365.

MON, J., et al, 2009. Modulation Technique to Reduce EMI in Power Multiconverters. *Ieice Electronics Express*, APR 25, vol. 6, no. 8, pp. 511-515 ISSN 1349-2543. DOI 10.1587/elex.6.511.

MON, J., et al, 2009. EMI Reduction in Parallel Multiconverter Topology using Interleaving and Frequency Modulation Techniques. *Przegląd Elektrotechniczny*, vol. 85, no. 10, pp. 239-243 ISSN 0033-2097.

MONJE, P.G., et al, 2010. Biodegradability of Kraft Mill TCF Biobleaching Effluents: Application of Enzymatic Laccase-Mediator System. *Water Research*, APR, vol. 44, no. 7, pp. 2211-2220 ISSN 0043-1354. DOI 10.1016/j.watres.2009.12.047.

MONTANYA, J., et al, 2009. Estimation of Charge Neutralized by Negative Cloud-to-Ground Flashes in Catalonia Thunderstorms. *Journal of Electrostatics*, MAY, vol. 67, no. 2-3, pp. 513-517 ISSN 0304-3886. DOI 10.1016/j.elstat.2009.01.030.

MONTANYA, J., et al, 2009. Study of the Total Lightning Activity in a Hailstorm. *Atmospheric Research*, FEB, vol. 91, no. 2-4, pp. 430-437 ISSN 0169-8095. DOI 10.1016/j.atmosres.2008.06.008.

MONTSERRAT, S., ROMAN, F., HUTCHINSON, J.M. and CAMPOS, L., 2008. Analysis of the Cure of Epoxy Based Layered Silicate Nanocomposites: Reaction Kinetics and Nanostructure Development. *Journal of Applied Polymer Science*, APR 15, vol. 108, no. 2, pp. 923-938 ISSN 0021-8995. DOI 10.1002/app.27297.

MORALES-RUIZ, S., RIGOLA, J., PEREZ-SEGARRA, C.D. and GARCIA-VALLADARES, O., 2009. Numerical Analysis of Two-Phase Flow in Condensers and Evaporators with Special Emphasis on Single-phase/two-Phase Transition Zones. *Applied Thermal Engineering*, APR, vol. 29, no. 5-6, pp. 1032-1042 ISSN 1359-4311. DOI 10.1016/j.applthermaleng.2008.05.017.

MORATA, M., GIL, I. and FERNANDEZ-GARCIA, R., 2011. Modeling Tunable Band-Pass Filters Based on RF-MEMS Metamaterials. *International Journal of Numerical Modelling-Electronic Networks Devices and Fields*, NOV-DEC, vol. 24, no. 6, pp. 583-589 ISSN 0894-3370. DOI 10.1002/jnm.808.

MOTHE, B., et al, 2009. HIV-1 Infection in Subjects Older than 70: A Multicenter Cross-Sectional Assessment in Catalonia, Spain. *Current Hiv Research*, NOV, vol. 7, no. 6, pp. 597-600 ISSN 1570-162X.



MUJAL ROSAS, R., BOIX ARAGONES, O., COLOM FAJULA, X. and ROLAN BLANCO, A., 2009. Behavior of the Three-Phase Induction Motor with Spiral Sheet Rotor. *IEEE Transactions on Energy Conversion*, MAR, vol. 24, no. 1, pp. 68-76 ISSN 0885-8969. DOI 10.1109/TEC.2008.2005283.

MUJAL-ROSAS, R., et al, 2010. Dielectric and Mechanical Properties of High Density Polyethylene (HDPE) Reinforced with used Tires (GTR). *Afinidad*, JAN-FEB, vol. 67, no. 545, pp. 7-13 ISSN 0001-9704.

MUJAL-ROSAS, R., et al, 2011. Dielectric Properties of various Polymers (PVC, EVA, HDPE and PP) Reinforced with used Tires (GTR). *Afinidad*, JUL-AUG, vol. 68, no. 554, pp. 263-273 ISSN 0001-9704.

MUJAL-ROSAS, R., et al, 2011. Study on Dielectric, Thermal, and Mechanical Properties of the Ethylene Vinyl Acetate Reinforced with Ground Tire Rubber. *Journal of Reinforced Plastics and Composites*, APR, vol. 30, no. 7, pp. 581-592 ISSN 0731-6844. DOI 10.1177/0731684411399135.

MUJAL-ROSAS, R., et al, 2009. Experimental Analysis of the Three-Phase Induction Motor with Spiral Sheet Rotor. *Electrical Engineering*, DEC, vol. 91, no. 4-5, pp. 251-261 ISSN 0948-7921. DOI 10.1007/s00202-009-0141-y.

MUJAL-ROSAS, R. and ORRIT-PRAT, J., 2011. General Analysis of the Three-Phase Asynchronous Motor with Spiral Sheet Rotor: Operation, Parameters, and Characteristic Values. *IEEE Transactions on Industrial Electronics*, MAY, vol. 58, no. 5, pp. 1799-1811 ISSN 0278-0046. DOI 10.1109/TIE.2010.2051397.

MUNOZ-MORENO, J.A., et al, 2008. Nadir CD4 Cell Count Predicts Neurocognitive Impairment in HIV-Infected Patients. *AIDS Research and Human Retroviruses*, OCT, vol. 24, no. 10, pp. 1301-1307 ISSN 0889-2229. DOI 10.1089/aid.2007.0310.

MUNOZ-MORENO, J.A., et al, 2010. Interruptions of Antiretroviral Therapy in Human Immunodeficiency Virus Infection: Are they Detrimental to Neurocognitive Functioning?. *Journal of Neurovirology*, JUN, vol. 16, no. 3, pp. 208-218 ISSN 1355-0284. DOI 10.3109/13550281003767710.

MUNOZ-MORENO, J.A., et al, 2010. Prevalence of HIV-Related Neurocognitive Complications in Catalonia: Results from a Cross-Sectional Multicenter Study. *Journal of Neurovirology*, OCT, vol. 16, pp. 58-58 ISSN 1355-0284.

MUNOZ-RIVERA, J. and QUINTANILLA, R., 2008. On the Time Polynomial Decay in Elastic Solids with Voids. *Journal of Mathematical Analysis and Applications*, FEB 15, vol. 338, no. 2, pp. 1296-1309 ISSN 0022-247X. DOI 10.1016/j.jmaa.2007.06.005.

NASCIMENTO, L., et al, 2010. Effect of the Recycling and Annealing on the Mechanical and Fracture Properties of Poly(Lactic Acid). *Journal of Polymers and the Environment*, DEC, vol. 18, no. 4, pp. 654-660 ISSN 1566-2543. DOI 10.1007/s10924-010-0229-5.



NAVARRO FLORES, A. and MARTINEZ SOLA, F., 2010. Evaluation of Metal Attenuation from Mine Tailings in SE Spain (Sierra Almagrera): A Soil-Leaching Column Study. *Mine Water and the Environment*, APR, vol. 29, no. 1, pp. 53-67 ISSN 1025-9112. DOI 10.1007/s10230-010-0099-z.

NAVARRO FLORES, A. and DOMENECH RUBIO, L.M., 2010. Arsenic and Metal Mobility from Au Mine Tailings in Rodalquilar (Almeria, SE Spain). *Environmental Earth Sciences*, MAR, vol. 60, no. 1, pp. 121-138 ISSN 1866-6280. DOI 10.1007/s12665-009-0174-6.

NAVARRO, A., et al, 2009. Application of Solar Thermal Desorption to Remediation of Mercury-Contaminated Soils. *Solar Energy*, AUG, vol. 83, no. 8, pp. 1405-1414 ISSN 0038-092X. DOI 10.1016/j.solener.2009.03.013.

NAVARRO, A. and CARDELLACH, E., 2009. Mobilization of Ag, Heavy Metals and Eu from the Waste Deposit of the Las Herrerias Mine (Almeria, SE Spain). *Environmental Geology*, FEB, vol. 56, no. 7, pp. 1389-1404 ISSN 0943-0105. DOI 10.1007/s00254-008-1234-z.

NAVARRO, A. and CARBONELL, M., 2008. Assessment of Groundwater Contamination Caused by Uncontrolled Dumping in Old Gravel Quarries in the Besos Aquifers (Barcelona, Spain). *Environmental Geochemistry and Health*, JUN, vol. 30, no. 3, pp. 273-289 ISSN 0269-4042. DOI 10.1007/s10653-007-9123-z.

NAVARRO, A. and CARBONELL, M., 2007. Evaluation of Groundwater Contamination Beneath an Urban Environment: The Besos River Basin (Barcelona, Spain). *Journal of Environmental Management*, OCT, vol. 85, no. 2, pp. 259-269 ISSN 0301-4797. DOI 10.1016/j.jenvman.2006.08.021.

NAVARRO, A., CARDELLACH, E. and CORBELLÀ, M., 2011. Immobilization of Cu, Pb and Zn in Mine-Contaminated Soils using Reactive Materials. *Journal of Hazardous Materials*, FEB 28, vol. 186, no. 2-3, pp. 1576-1585 ISSN 0304-3894. DOI 10.1016/j.jhazmat.2010.12.039.

NAVARRO, A., CARDELLACH, E. and CORBELLÀ, M., 2009. Mercury Mobility in Mine Waste from Hg-Mining Areas in Almeria, Andalusia (SE Spain). *Journal of Geochemical Exploration*, JUN, vol. 101, no. 3, pp. 236-246 ISSN 0375-6742. DOI 10.1016/j.gexplo.2008.08.004.

NAVARRO, A., et al, 2008. Metal Mobilization from Base-Metal Smelting Slag Dumps in Sierra Almagrera (Almeria, Spain). *Applied Geochemistry*, APR, vol. 23, no. 4, pp. 895-913 ISSN 0883-2927. DOI 10.1016/j.apgeochem.2007.07.012.

NAVARRO, A., FONT, X. and VILADEVALL, M., 2011. Geochemistry and Groundwater Contamination in the La Selva Geothermal System (Girona, Northeast Spain). *Geothermics*, DEC, vol. 40, no. 4, pp. 275-285 ISSN 0375-6505. DOI 10.1016/j.geothermics.2011.07.005.

NAVARRO, A. and MARTINEZ, F., 2010. The use of Soil-Flushing to Remediate Metal Contamination in a Smelting Slag Dumping Area: Column and Pilot-Scale Experiments. *Engineering Geology*, SEP 6, vol. 115, no. 1-2, pp. 16-27 ISSN 0013-7952. DOI 10.1016/j.enggeo.2010.07.001.



NAVARRO, A., et al, 2009. Physiological Responses to Mercury in Feral Carp Populations Inhabiting the Low Ebro River (NE Spain), a Historically Contaminated Site. *Aquatic Toxicology*, JUN 28, vol. 93, no. 2-3, pp. 150-157 ISSN 0166-445X. DOI 10.1016/j.aquatox.2009.04.009.

NEJJARI, F., PEREZ, R., ESCOBET, T. and TRAVE-MASSUYES, L., 2007. Fault Diagnosability Utilizing Quasi-Static and Structural Modelling. *Mathematical and Computer Modelling*, MAR, vol. 45, no. 5-6, pp. 606-616 ISSN 0895-7177. DOI 10.1016/j.mcm.2006.06.008.

NEUBERT, T., et al, 2011. The Properties of a Gigantic Jet Reflected in a Simultaneous Sprite: Observations Interpreted by a Model. *Journal of Geophysical Research-Space Physics*, DEC 30, vol. 116, pp. A12329 ISSN 0148-0227. DOI 10.1029/2011JA016928.

NEUBERT, T., et al, 2008. Recent Results from Studies of Electric Discharges in the Mesosphere. *Surveys in Geophysics*, MAR, vol. 29, no. 2, pp. 71-137 ISSN 0169-3298. DOI 10.1007/s10712-008-9043-1.

NISTOR, C., et al, 2010. Lossless Backward Second-Harmonic Generation of Extremely Narrow Subdiffractive Beams in Two-Dimensional Photonic Crystals. *Physical Review a*, SEP 8, vol. 82, no. 3, pp. 033805 ISSN 1050-2947. DOI 10.1103/PhysRevA.82.033805.

NISTOR, C., et al, 2008. Second-Harmonic Generation of Narrow Beams in Subdiffractive Photonic Crystals. *Physical Review a*, NOV, vol. 78, no. 5, pp. 053818 ISSN 1050-2947. DOI 10.1103/PhysRevA.78.053818.

NISTOR, C., et al, 2009. Phase Matched Second Harmonic Generation in Planar Two-Dimensional Photonic Crystals. *Journal of Optics A-Pure and Applied Optics*, NOV, vol. 11, no. 11, pp. 114016 ISSN 1464-4258. DOI 10.1088/1464-4258/11/11/114016.

NISTOR, C., COJOCARU, C., TRULL, J. and STALIUNAS, K., 2010. Broad Angle Phase Matching in Subdiffractive Photonic Crystals. *Optics Communications*, SEP 15, vol. 283, no. 18, pp. 3533-3535 ISSN 0030-4018. DOI 10.1016/j.optcom.2010.04.103.

NIUBO, M., et al, 2011. Influence of the Electric Arc Furnace Dust in the Physical and Mechanical Properties of EVA-Polyethylene-Butene Blends. *Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing*, MAY 24, vol. 528, no. 13-14, pp. 4437-4444 ISSN 0921-5093. DOI 10.1016/j.msea.2011.02.006.

NUNEZ, L., GARCIA-HORTAL, J.A. and TORRADES, F., 2007. Study of Kinetic Parameters Related to the Decolourization and Mineralization of Reactive Dyes from Textile Dyeing using Fenton and Photo-Fenton Processes. *Dyes and Pigments*, vol. 75, no. 3, pp. 647-652 ISSN 0143-7208. DOI 10.1016/j.dyepig.2006.07.014.

OCAMPO-MARTINEZ, C., GUERRA, P., PUIG, V. and QUEVEDO, J., 2007. Actuator Fault-Tolerance Evaluation of Linear Constrained Model Predictive Control using Zonotope-Based Set Computations. *Proceedings of the Institution of Mechanical Engineers Part I-Journal of Systems and Control Engineering*, SEP, vol. 221, no. 16, pp. 915-925 ISSN 0959-6518. DOI 10.1243/09596518JSCE340.



OCAMPO-MARTINEZ, C., INGIMUNDARSON, A., PUIG, V. and QUEVEDO, J., 2008. Objective Prioritization Sing Lexicographic Minimizers for MPC of Sewer Networks. *IEEE Transactions on Control Systems Technology*, JAN, vol. 16, no. 1, pp. 113-121 ISSN 1063-6536. DOI 10.1109/TCST.2007.899741.

OCAMPO-MARTINEZ, C. and PUIG, V., 2009. Fault-Tolerant Model Predictive Control within the Hybrid Systems Framework: Application to Sewer Networks. *International Journal of Adaptive Control and Signal Processing*, AUG, vol. 23, no. 8, pp. 757-787 ISSN 0890-6327. DOI 10.1002/acs.1099.

OLIET, C., OLIVA, A., CASTRO, J. and PEREZ-SEGARRA, C.D., 2007. Parametric Studies on Automotive Radiators. *Applied Thermal Engineering*, AUG, vol. 27, no. 11-12, pp. 2033-2043 ISSN 1359-4311. DOI 10.1016/j.applthermaleng.2006.12.006.

OLIET, C., PEREZ-SEGARRA, C.D., CASTRO, J. and OLIVA, A., 2010. Modelling of Fin-and-Tube Evaporators Considering Non-Uniform in-Tube Heat Transfer. *International Journal of Thermal Sciences*, APR, vol. 49, no. 4, pp. 692-701 ISSN 1290-0729. DOI 10.1016/j.ijthermalsci.2009.11.009.

OLIET, C., PEREZ-SEGARRA, C.D., DANOV, S. and OLIVA, A., 2007. Numerical Simulation of Dehumidifying Fin-and-Tube Heat Exchangers: Semi-Analytical Modelling and Experimental Comparison. *International Journal of Refrigeration-Revue Internationale Du Froid*, NOV, vol. 30, no. 7, pp. 1266-1277 ISSN 0140-7007. DOI 10.1016/j.ijrefrig.2007.02.005.

OLIET, C., PEREZ-SEGARRA, C.D. and OLIVA, A., 2008. Thermal and Fluid Dynamic Simulation of Automotive Fin-and-Tube Heat Exchangers, Part 2: Experimental Comparison. *Heat Transfer Engineering*, MAY, vol. 29, no. 5, pp. 495-502 ISSN 0145-7632. DOI 10.1080/01457630701851164.

OLIET, C., PEREZ-SEGARRA, C.D., OLIVA, A. and CASTRO, J., 2009. Multidimensional and Unsteady Simulation of Fin-and-Tube Heat Exchangers. *Numerical Heat Transfer Part A-Applications*, vol. 56, no. 3, pp. 193-210 ISSN 1040-7782. DOI 10.1080/10407780903163082.

OLIVER, J., et al, 2009. A Contact Domain Method for Large Deformation Frictional Contact Problems. Part 1: Theoretical Basis. *Computer Methods in Applied Mechanics and Engineering*, vol. 198, no. 33-36, pp. 2591-2606 ISSN 0045-7825. DOI 10.1016/j.cma.2009.03.006.

OLIVER, J., HUESPE, A.E., CANTE, J.C. and DIAZ, G., 2010. On the Numerical Resolution of the Discontinuous Material Bifurcation Problem. *International Journal for Numerical Methods in Engineering*, AUG 6, vol. 83, no. 6, pp. 786-804 ISSN 0029-5981. DOI 10.1002/nme.2870.

ONCINS, G., TORRENT-BURGUES, J. and SANZ, F., 2008. Nanomechanical Properties of Arachidic Acid Langmuir-Blodgett Films. *Journal of Physical Chemistry C*, FEB 14, vol. 112, no. 6, pp. 1967-1974 ISSN 1932-7447. DOI 10.1021/jp0755544.

OROZCO, C., KIZILDAG, D., OLIVA, A. and PEREZ-SEGARRA, C.D., 2010. Verification of Multidimensional and Transient CFD Solutions. *Numerical Heat Transfer Part B-Fundamentals*, vol. 57, no. 1, pp. 46-73 ISSN 1040-7790. DOI 10.1080/10407791003613702.



ORRIT, J., CANADAS, J.C., SELLARES, J. and BELANA, J., 2011. Identification of Dipolar Relaxations in Dielectric Spectra of Mid-Voltage Cross-Linked Polyethylene Cables. *Journal of Electrostatics*, APR, vol. 69, no. 2, pp. 119-125 ISSN 0304-3886. DOI 10.1016/j.elstat.2011.01.005.

ORRIT, J., MUJAL, R., NOGUES, F. and COLOM, X., 2009. Dielectrical Behaviour of Composites Reinforced with Ground Tire Rubber (GTR). *Afinidad*, JUL-AUG, vol. 66, no. 542, pp. 293-299 ISSN 0001-9704.

ORRIT-PRAT, J., et al, 2011. Dielectric and Mechanical Characterization of PVC Composites with Ground Tire Rubber. *Journal of Composite Materials*, JUN, vol. 45, no. 11, pp. 1233-1243 ISSN 0021-9983. DOI 10.1177/0021998310380289.

ORTEGA, C., ARIAS, A., CARUANA, C. and APAP, M., 2010. Reduction of the Common Mode Voltage of a Matrix Converter Fed Direct Torque Control. *Ieice Electronics Express*, JUL 25, vol. 7, no. 14, pp. 1044-1050 ISSN 1349-2543. DOI 10.1587/elex.7.1044.

ORTEGA-CERDA, J. and SALUDES, J., 2007. Marcinkiewicz-Zygmund Inequalities. *Journal of Approximation Theory*, APR, vol. 145, no. 2, pp. 237-252 ISSN 0021-9045. DOI 10.1016/j.jat.2006.09.001.

OTON, J., AMBS, P., MILLAN, M.S. and PEREZ-CABRE, E., 2007. Multipoint Phase Calibration for Improved Compensation of Inherent Wavefront Distortion in Parallel Aligned Liquid Crystal on Silicon Displays. *Applied Optics*, AUG 10, vol. 46, no. 23, pp. 5667-5679 ISSN 0003-6935. DOI 10.1364/AO.46.005667.

OVEJERO, R.G., et al, 2007. Kinetic and Diffusional Approach to the Dyeing Behavior of the Polyester PTT. *Textile Research Journal*, OCT, vol. 77, no. 10, pp. 804-809 ISSN 0040-5175. DOI 10.1177/0040517507080665.

PAGES, P., et al, 2010. Processing of Poly (Lactic Acid) (PLA) and PLA / Montmotillonite Nanocomposites in a Pilot Plant: A Study of Structural Changes and Thermal Stability. *Afinidad*, MAR-APR, vol. 67, no. 546, pp. 107-113 ISSN 0001-9704.

PAGES, P., LACORTE, T., LIPINSKA, M. and CARRASCO, F., 2008. Study of Curing of Layered silicate/trifunctional Epoxy Nanocomposites by Means of FTIR Spectroscopy. *Journal of Applied Polymer Science*, MAY 15, vol. 108, no. 4, pp. 2107-2115 ISSN 0021-8995. DOI 10.1002/app.27853.

PAMIES, T., ROMEU, J., GENESCA, M. and BALASTEGUI, A., 2011. Sound Radiation from an Aperture in a Rectangular Enclosure Under Low Modal Conditions. *Journal of the Acoustical Society of America*, JUL, vol. 130, no. 1, pp. 239-248 ISSN 0001-4966. DOI 10.1121/1.3596465.

PAMPLONA, P.X., MUNOZ RIVERA, J.E. and QUINTANILLA, R., 2011. On the Decay of Solutions for Porous-Elastic Systems with History. *Journal of Mathematical Analysis and Applications*, JUL 15, vol. 379, no. 2, pp. 682-705 ISSN 0022-247X. DOI 10.1016/j.jmaa.2011.01.045.



PAMPLONA, P.X., MUNOZ RIVERA, J.E. and QUINTANILLA, R., 2009. Stabilization in Elastic Solids with Voids. *Journal of Mathematical Analysis and Applications*, FEB 1, vol. 350, no. 1, pp. 37-49 ISSN 0022-247X. DOI 10.1016/j.jmaa.2008.09.026.

PATA, V. and QUINTANILLA, R., 2010. On the Decay of Solutions in Nonsimple Elastic Solids with Memory. *Journal of Mathematical Analysis and Applications*, MAR 1, vol. 363, no. 1, pp. 19-28 ISSN 0022-247X. DOI 10.1016/j.jmaa.2009.07.055.

PATINO, A., et al, 2011. Surface and Bulk Cotton Fibre Modifications: Plasma and Cationization. Influence on Dyeing with Reactive Dye. *Cellulose*, AUG, vol. 18, no. 4, pp. 1073-1083 ISSN 0969-0239. DOI 10.1007/s10570-011-9554-7.

PAUL, J., et al, 2007. Impact of Orthogonal Optical Feedback on the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers. *Journal of the Optical Society of America B-Optical Physics*, AUG, vol. 24, no. 8, pp. 1987-1994 ISSN 0740-3224. DOI 10.1364/JOSAB.24.001987.

PAUL, J., et al, 2008. Experimental and Theoretical Study of Dynamical Hysteresis and Scaling Laws in the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers. *Physical Review a*, APR, vol. 77, no. 4, pp. 043803 ISSN 1050-2947. DOI 10.1103/PhysRevA.77.043803.

PAUL, R., et al, 2010. Nano-Cotton Fabrics with High Ultraviolet Protection. *Textile Research Journal*, MAR, vol. 80, no. 5, pp. 454-462 ISSN 0040-5175. DOI 10.1177/0040517509342316.

PECKUS, M., et al, 2009. Resonators with Manipulated Diffraction due to Two- and Three-Dimensional Intracavity Photonic Crystals. *Physical Review a*, MAR, vol. 79, no. 3, pp. 033806 ISSN 1050-2947. DOI 10.1103/PhysRevA.79.033806.

PECKUS, M., STALIUNAS, K., NIZAUSKAITE, Z. and SIRUTKAITIS, V., 2007. Stripe Patterns in Degenerate Optical Parametric Oscillators. *Optics Letters*, OCT 15, vol. 32, no. 20, pp. 3014-3016 ISSN 0146-9592. DOI 10.1364/OL.32.003014.

PEDRA, J., CANDELA, I. and BARRERA, A., 2009. Saturation Model for Squirrel-Cage Induction Motors. *Electric Power Systems Research*, JUL, vol. 79, no. 7, pp. 1054-1061 ISSN 0378-7796. DOI 10.1016/j.epsr.2009.01.004.

PEDRA, J., CANDELA, I. and SAINZ, L., 2009. Modelling of Squirrel-Cage Induction Motors for Electromagnetic Transient Programs. *Iet Electric Power Applications*, MAR, vol. 3, no. 2, pp. 111-122 ISSN 1751-8660. DOI 10.1049/iet-epa:20080043.

PENA, R.S.S., et al, 2008. Robust Identification and Feedback Design: An Active Noise Control Case Study. *Control Engineering Practice*, NOV, vol. 16, no. 11, pp. 1265-1274 ISSN 0967-0661. DOI 10.1016/j.conengprac.2008.02.004.

PEPIO, M. and CARMEN GUTIERREZ-BOUZAN, M., 2011. Empirical Models for the Decoloration of Dyes in an Electrochemical Batch Cell. *Industrial & Engineering Chemistry Research*, AUG 3, vol. 50, no. 15, pp. 8965-8972 ISSN 0888-5885. DOI 10.1021/ie102549f.



PEREIRA MIRANDA, A.F., et al, 2011. The use of Daphnia Magna Immobilization Tests and Soil Microcosms to Evaluate the Toxicity of Dredged Sediments. *Journal of Soils and Sediments*, FEB, vol. 11, no. 2, pp. 373-381 ISSN 1439-0108. DOI 10.1007/s11368-010-0322-3.

PEREZ, L.M., et al, 2010. A New Microtitre Plate Screening Method for Evaluating the Viability of Aerobic Respiring Bacteria in High Surface Biofilms. *Letters in Applied Microbiology*, SEP, vol. 51, no. 3, pp. 331-337 ISSN 0266-8254. DOI 10.1111/j.1472-765X.2010.02902.x.

PEREZ, R., et al, 2011. Methodology for Leakage Isolation using Pressure Sensitivity Analysis in Water Distribution Networks. *Control Engineering Practice*, OCT, vol. 19, no. 10, pp. 1157-1167 ISSN 0967-0661. DOI 10.1016/j.conengprac.2011.06.004.

PEREZ, T., et al, 2009. An Intersegmental Neuronal Architecture for Spinal Wave Propagation Under Deletions. *Journal of Neuroscience*, AUG 19, vol. 29, no. 33, pp. 10254-10263 ISSN 0270-6474. DOI 10.1523/JNEUROSCI.1737-09.2009.

PEREZ-ARJONA, I., et al, 2007. Theoretical Prediction of the Nondiffractive Propagation of Sonic Waves through Periodic Acoustic Media. *Physical Review B*, JAN, vol. 75, no. 1, pp. 014304 ISSN 1098-0121. DOI 10.1103/PhysRevB.75.014304.

PEREZ-ARJONA, I., et al, 2009. Diffusion Stabilizes Cavity Solitons in Bidirectional Lasers. *Optics Express*, MAR 16, vol. 17, no. 6, pp. 4897-4902 ISSN 1094-4087.

PEREZ-CABRE, E., CHO, M. and JAVIDI, B., 2011. Information Authentication using Photon-Counting Double-Random-Phase Encrypted Images. *Optics Letters*, JAN 1, vol. 36, no. 1, pp. 22-24 ISSN 0146-9592. DOI 10.1364/OL.36.000022.

PEREZ-CABRE, E., MILLAN, M.S. and JAVIDI, B., 2007. Near Infrared Multifactor Identification Tags. *Optics Express*, NOV 12, vol. 15, no. 23, pp. 15615-15627 ISSN 1094-4087. DOI 10.1364/OE.15.015615.

PEREZ-SEGARRA, C.D., OLIET, C. and OLIVA, A., 2008. Thermal and Fluid Dynamic Simulation of Automotive Fin-and-Tube Heat Exchangers, Part 1: Mathematical Model. *Heat Transfer Engineering*, MAY, vol. 29, no. 5, pp. 484-494 ISSN 0145-7632. DOI 10.1080/01457630701851107.

PERRIG, S., et al, 2010. Functional Interactions in Hierarchically Organized Neural Networks Studied with Spatiotemporal Firing Patterns and Phase-Coupling Frequencies. *Chinese Journal of Physiology*, DEC 31, vol. 53, no. 6, pp. 382-395 ISSN 0304-4920. DOI 10.4077/CJP.2010.AMM039.

PINO, A., et al, 2011. Using Laser Speckle to Measure the Roughness of Paper. *Tappi Journal*, MAR, vol. 10, no. 3, pp. 7-13 ISSN 0734-1415.

PINO, A., PLADELLORENS, J., CUSOLA, O. and CAUM, J., 2011. Roughness Measurement of Paper using Speckle. *Optical Engineering*, SEP, vol. 50, no. 9, pp. 093605 ISSN 0091-3286. DOI 10.1117/1.3625418.



PLADELLORENS, J., et al, 2008. A Device for the Color Measurement and Detection of Spots on the Skin. *Skin Research and Technology*, FEB, vol. 14, no. 1, pp. 65-70 ISSN 0909-752X. DOI 10.1111/j.1600-0846.2007.00262.x.

PONCE C, M., MASOLLER, C. and MARTI, A.C., 2009. Synchronizability of Chaotic Logistic Maps in Delayed Complex Networks. *European Physical Journal B*, JAN, vol. 67, no. 1, pp. 83-93 ISSN 1434-6028. DOI 10.1140/epjb/e2008-00467-3.

PONCELAS, O., et al, 2009. Motor Fault Detection using a Rogowski Sensor without an Integrator. *IEEE Transactions on Industrial Electronics*, OCT, vol. 56, no. 10, pp. 4062-4070 ISSN 0278-0046. DOI 10.1109/TIE.2009.2025715.

PONS, A.J., BATISTE, O. and BEES, M.A., 2008. Nonlinear Chemoconvection in the Methylene-Blue-Glucose System: Two-Dimensional Shallow Layers. *Physical Review E*, JUL, vol. 78, no. 1, pp. 016316 ISSN 1539-3755. DOI 10.1103/PhysRevE.78.016316.

PONS, A.J., CANTERO, J.L., ATIENZA, M. and GARCIA-OJALVO, J., 2010. Relating Structural and Functional Anomalous Connectivity in the Aging Brain Via Neural Mass Modeling. *NeuroImage*, SEP, vol. 52, no. 3, pp. 848-861 ISSN 1053-8119. DOI 10.1016/j.neuroimage.2009.12.105.

PONSA, P., AMANTE, B. and DIAZ, M., 2010. Ergonomic Design Applied in a Sugar Mill Interface. *Latin American Applied Research*, JAN, vol. 40, no. 1, pp. 27-33 ISSN 0327-0793.

PONSA, P., VILANOVA, R. and AMANTE, B., 2011. Human Intervention and Interface Design in Automation Systems. *International Journal of Computers Communications & Control*, MAR, vol. 6, no. 1, pp. 166-174 ISSN 1841-9836.

PONSA, P., et al, 2009. Higher Education Challenges: Introduction of Active Methodologies in Engineering Curricula. *International Journal of Engineering Education*, vol. 25, no. 4, pp. 799-813 ISSN 0949-149X.

PONSA, P., AMANTE, B. and DIAZ, M., 2009. Usability Evaluation for the Task of Human Supervision in Industrial Control Room. *Revista Iberoamericana De Automatica E Informatica Industrial*, JAN, vol. 6, no. 1, pp. 84-+ ISSN 1697-7912.

POU, J., et al, 2011. Current Balancing Strategy for Interleaved Voltage Source Inverters. *Epe Journal*, JAN-MAR, vol. 21, no. 1, pp. 29-34 ISSN 0939-8368.

PRATS, X., PUIG, V., QUEVEDO, J. and NEJJARI, F., 2010. Multi-Objective Optimisation for Aircraft Departure Trajectories Minimising Noise Annoyance. *Transportation Research Part C-Emerging Technologies*, DEC, vol. 18, no. 6, pp. 975-989 ISSN 0968-090X. DOI 10.1016/j.trc.2010.03.001.

PUIG, V., et al, 2009. Predictive Optimal Control of Sewer Networks using CORAL Tool: Application to Riera Blanca Catchment in Barcelona. *Water Science and Technology*, vol. 60, no. 4, pp. 869-878 ISSN 0273-1223. DOI 10.2166/wst.2009.424.



PUIG, V., et al, 2008. Passive Robust Fault Detection of Dynamic Processes using Interval Models. *IEEE Transactions on Control Systems Technology*, SEP, vol. 16, no. 5, pp. 1083-1089 ISSN 1063-6536. DOI 10.1109/TCST.2007.906339.

PUIG, V., et al, 2009. Optimal Predictive Control of Water Transport Systems: Arret-Darre/Arros Case Study. *Water Science and Technology*, vol. 60, no. 8, pp. 2125-2133 ISSN 0273-1223. DOI 10.2166/wst.2009.525.

PUIG, V., SALUDES, J. and QUEVEDO, J., 2008. Simulation of Discrete Linear Time-Invariant Fuzzy Dynamic Systems. *Fuzzy Sets and Systems*, APR 1, vol. 159, no. 7, pp. 787-803 ISSN 0165-0114. DOI 10.1016/j.fss.2007.11.009.

PUIG, V., et al, 2007. A GMDH Neural Network-Based Approach to Passive Robust Fault Detection using a Constraint Satisfaction Backward Test. *Engineering Applications of Artificial Intelligence*, OCT, vol. 20, no. 7, pp. 886-897 ISSN 0952-1976. DOI 10.1016/j.engappai.2006.12.005.

PUSTKOVA, P., HUTCHINSON, J.M., ROMAN, F. and MONTERRAT, S., 2009. Homopolymerization Effects in Polymer Layered Silicate Nanocomposites Based upon Epoxy Resin: Implications for Exfoliation. *Journal of Applied Polymer Science*, OCT 15, vol. 114, no. 2, pp. 1040-1047 ISSN 0021-8995. DOI 10.1002/app.30697.

QUEVEDO, J., et al, 2010. Validation and Reconstruction of Flow Meter Data in the Barcelona Water Distribution Network. *Control Engineering Practice*, JUN, vol. 18, no. 6, pp. 640-651 ISSN 0967-0661. DOI 10.1016/j.conengprac.2010.03.003.

QUEVEDO-JUNYENT, L., et al, 2011. Comparison of Dynamic Visual Acuity between Water Polo Players and Sedentary Students. *Research Quarterly for Exercise and Sport*, DEC, vol. 82, no. 4, pp. 644-651 ISSN 0270-1367.

QUINTANILLA, R., 2011. On Growth and Continuous Dependence in Thermoelasticity with Microtemperatures. *Journal of Thermal Stresses*, vol. 34, no. 9, pp. 911-922 ISSN 0149-5739. DOI 10.1080/01495739.2011.586278.

QUINTANILLA, R., 2011. Some Solutions for a Family of Exact Phase-Lag Heat Conduction Problems. *Mechanics Research Communications*, JUL, vol. 38, no. 5, pp. 355-360 ISSN 0093-6413. DOI 10.1016/j.mechrescom.2011.04.008.

QUINTANILLA, R., 2010. A Note on a Non-Standard Problem for an Equation with a Delay Term. *Applied Mathematics and Computation*, JUL 1, vol. 216, no. 9, pp. 2759-2765 ISSN 0096-3003. DOI 10.1016/j.amc.2010.03.125.

QUINTANILLA, R., 2010. On the Spatial Behavior of Constrained Motion in Type III Thermoelasticity. *Journal of Thermal Stresses*, vol. 33, no. 7, pp. 694-705 ISSN 0149-5739. DOI 10.1080/01495739.2010.482345.



QUINTANILLA, R., 2010. Spatial Estimates for an Equation with a Delay Term. *Zeitschrift Fur Angewandte Mathematik Und Physik*, APR, vol. 61, no. 2, pp. 381-388 ISSN 0044-2275. DOI 10.1007/s00033-009-0049-4.

QUINTANILLA, R., 2009. Spatial Behaviour of Solutions of the Three-Phase-Lag Heat Equation. *Applied Mathematics and Computation*, JUL 1, vol. 213, no. 1, pp. 153-162 ISSN 0096-3003. DOI 10.1016/j.amc.2009.03.005.

QUINTANILLA, R., 2009. Uniqueness in Thermoelasticity of Porous Media with Microtemperatures. *Archives of Mechanics*, vol. 61, no. 5, pp. 371-382 ISSN 0373-2029.

QUINTANILLA, R., 2008. End Effects in Three-Phase-Lag Heat Conduction. *Applicable Analysis*, vol. 87, no. 8, pp. 943-955 ISSN 0003-6811. DOI 10.1080/00036810802428938.

QUINTANILLA, R., 2008. Polynomial and Exponential Spatial Decay Estimates in Elasticity. *Journal of Elasticity*, DEC, vol. 93, no. 3, pp. 279-290 ISSN 0374-3535. DOI 10.1007/s10659-008-9179-8.

QUINTANILLA, R., 2008. A Spatial Decay in the Linear Theory of Microstretch Piezoelectricity. *Mathematical and Computer Modelling*, JUN, vol. 47, no. 11-12, pp. 1117-1124 ISSN 0895-7177. DOI 10.1016/j.mcm.2007.06.023.

QUINTANILLA, R., 2007. On the Impossibility of Localization in Linear Thermoelasticity. *Proceedings of the Royal Society A-Mathematical Physical and Engineering Sciences*, DEC 8, vol. 463, no. 2088, pp. 3311-3322 ISSN 1364-5021. DOI 10.1098/rspa.2007.0076.

QUINTANILLA, R. and JORDAN, P.M., 2009. A Note on the Two Temperature Theory with Dual-Phase-Lag Delay: Some Exact Solutions. *Mechanics Research Communications*, OCT, vol. 36, no. 7, pp. 796-803 ISSN 0093-6413. DOI 10.1016/j.mechrescom.2009.05.002.

QUINTANILLA, R. and RACKE, R., 2011. Qualitative Aspects of Solutions in Resonators (Vol 60, Pg 345, 2008). *Archives of Mechanics*, vol. 63, no. 4, pp. 429-435 ISSN 0373-2029.

QUINTANILLA, R. and RACKE, R., 2008. Qualitative Aspects of Solutions in Resonators. *Archives of Mechanics*, vol. 60, no. 4, pp. 345-360 ISSN 0373-2029.

QUINTANILLA, R. and STRAUGHAN, B., 2008. Nonlinear Waves in a Green-Naghdi Dissipationless Fluid. *Journal of Non-Newtonian Fluid Mechanics*, OCT, vol. 154, no. 2-3, pp. 207-210 ISSN 0377-0257. DOI 10.1016/j.jnnfm.2008.04.006.

QUINTANILLA, R., 2009. Impossibility of Localization in Thermo-Porous-Elasticity with Microtemperatures. *Acta Mechanica*, OCT, vol. 207, no. 3-4, pp. 145-151 ISSN 0001-5970. DOI 10.1007/s00707-008-0115-6.

QUINTANILLA, R., 2009. Type II Thermoelasticity. A New Aspect. *Journal of Thermal Stresses*, vol. 32, no. 3, pp. 290-307 ISSN 0149-5739. DOI 10.1080/01495730802637159.



QUINTANILLA, R., 2009. A Well-Posed Problem for the Three-Dual-Phase-Lag Heat Conduction. *Journal of Thermal Stresses*, vol. 32, no. 12, pp. 1270-1278 ISSN 0149-5739. DOI 10.1080/01495730903310599.

QUINTANILLA, R., 2008. On Uniqueness for a Family of Nonstandard Problems. *Applied Mathematics Letters*, MAR, vol. 21, no. 3, pp. 291-297 ISSN 0893-9659. DOI 10.1016/j.aml.2007.02.030.

QUINTANILLA, R., 2008. A Well-Posed Problem for the Dual-Phase-Lag Heat Conduction. *Journal of Thermal Stresses*, vol. 31, no. 3, pp. 260-269 ISSN 0149-5739. DOI 10.1080/01495730701738272.

QUINTANILLA, R., 2007. Impossibility of Localization in Linear Thermoelasticity with Voids. *Mechanics Research Communications*, OCT-DEC, vol. 34, no. 7-8, pp. 522-527 ISSN 0093-6413. DOI 10.1016/j.mechrescom.2007.08.004.

QUINTANILLA, R. and RACKE, R., 2008. A Note on Stability in Three-Phase-Lag Heat Conduction. *International Journal of Heat and Mass Transfer*, JAN, vol. 51, no. 1-2, pp. 24-29 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2007.04.045.

QUINTANILLA, R. and RACKE, R., 2007. Qualitative Aspects in Dual-Phase-Lag Heat Conduction. *Proceedings of the Royal Society A-Mathematical Physical and Engineering Sciences*, MAR 8, vol. 463, no. 2079, pp. 659-674 ISSN 1364-5021. DOI 10.1098/rspa.2006.1784.

QUINTANILLA, R. and SACCOMANDI, G., 2009. Some Qualitative Properties for the Equations of Pre-Stressed Viscoelastic Solids. *Mechanics Research Communications*, JUL, vol. 36, no. 5, pp. 547-555 ISSN 0093-6413. DOI 10.1016/j.mechrescom.2009.02.004.

QUINTANILLA, R. and SACCOMANDI, G., 2008. Quasistatic Anti-Plane Motion in the Simplest Theory of Nonlinear Viscoelasticity. *Nonlinear Analysis-Real World Applications*, SEP, vol. 9, no. 4, pp. 1499-1517 ISSN 1468-1218. DOI 10.1016/j.nonrwa.2007.03.020.

QUINTANILLA, R. and SACCOMANDI, G., 2007. The Importance of the Compatibility of Nonlinear Constitutive Theories with their Linear Counterparts. *Journal of Applied Mechanics-Transactions of the Asme*, MAY, vol. 74, no. 3, pp. 455-460 ISSN 0021-8936. DOI 10.1115/1.2338053.

QUIROS, L., et al, 2007. Environmental Monitoring by Gene Expression Biomarkers in *Barbus Graellsii*: Laboratory and Field Studies. *Chemosphere*, APR, vol. 67, no. 6, pp. 1144-1154 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2006.11.032.

QUIROS, L., et al, 2007. A Noninvasive Test of Exposition to Toxicants: Quantitative Analysis of Cytochrome P4501A Expression in Fish Scales. *Environmental Toxicology and Chemistry*, OCT, vol. 26, no. 10, pp. 2179-2186 ISSN 0730-7268. DOI 10.1897/07-027R.1.

RADZIUNAS, M. and STALIUNAS, K., 2011. Spatial "Rocking" in Broad-Area Semiconductor Lasers. *Epl*, JUL, vol. 95, no. 1, pp. 14002 ISSN 0295-5075. DOI 10.1209/0295-5075/95/14002.



RALDUA, D., ANDRE, M. and BABIN, P.J., 2008. Clofibrate and Gemfibrozil Induce an Embryonic Malabsorption Syndrome in Zebrafish. *Toxicology and Applied Pharmacology*, MAY 1, vol. 228, no. 3, pp. 301-314 ISSN 0041-008X. DOI 10.1016/j.taap.2007.11.016.

RALDUA, D. and BABIN, P.J., 2009. Simple, Rapid Zebrafish Larva Bioassay for Assessing the Potential of Chemical Pollutants and Drugs to Disrupt Thyroid Gland Function. *Environmental Science & Technology*, SEP 1, vol. 43, no. 17, pp. 6844-6850 ISSN 0013-936X. DOI 10.1021/es9012454.

RALDUA, D. and BABIN, P.J., 2007. BLT-1, a Specific Inhibitor of the HDL Receptor SR-BI, Induces a Copper-Dependent Phenotype during Zebrafish Development. *Toxicology Letters*, DEC 10, vol. 175, no. 1-3, pp. 1-7 ISSN 0378-4274. DOI 10.1016/j.toxlet.2007.08.007.

RALDUA, D., DIEZ, S., BAYONA, J.M. and BARCELO, D., 2007. Mercury Levels and Liver Pathology in Feral Fish Living in the Vicinity of a Mercury Cell Chlor-Alkali Factory. *Chemosphere*, JAN, vol. 66, no. 7, pp. 1217-1225 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2006.07.053.

RALDUA, D., et al, 2008. First Evidence of Polybrominated Diphenyl Ether (Flame Retardants) Effects in Feral Barbel from the Ebro River Basin (NE, Spain). *Chemosphere*, AUG, vol. 73, no. 1, pp. 56-64 ISSN 0045-6535. DOI 10.1016/j.chemosphere.2008.05.037.

RALLO, M., MILLAN, M.S. and ESCOFET, J., 2009. Unsupervised Novelty Detection using Gabor Filters for Defect Segmentation in Textures. *Journal of the Optical Society of America A-Optics Image Science and Vision*, SEP 1, vol. 26, no. 9, pp. 1967-1976 ISSN 1084-7529.

RALLO, M., MILLAN, M.S. and ESCOFET, J., 2007. Referenceless Segmentation of Flaws in Woven Fabrics. *Applied Optics*, SEP 20, vol. 46, no. 27, pp. 6688-6699 ISSN 0003-6935. DOI 10.1364/AO.46.006688.

RAMON, E., et al, 2007. Critical Role of Electrostatic Interactions of Amino Acids at the Cytoplasmic Region of Helices 3 and 6 in Rhodopsin Conformational Properties and Activation. *Journal of Biological Chemistry*, MAY 11, vol. 282, no. 19, pp. 14272-14282 ISSN 0021-9258. DOI 10.1074/jbc.M611091200.

RAUSH, G., et al, 2009. Analysis of the Heat Transfer and Friction Factor Correlations Influence in the Prediction of Evaporating Flows Inside Tubes. *International Journal of Refrigeration-Revue Internationale Du Froid*, NOV, vol. 32, no. 7, pp. 1744-1755 ISSN 0140-7007. DOI 10.1016/j.ijrefrig.2009.06.003.

REALINHO, V., et al, 2009. Effect of a Dodecylsulfate-Modified Magnesium-Aluminum Layered Double Hydroxide on the Morphology and Fracture of Polystyrene and Poly(Styrene-Co-Acrylonitrile) Composites. *Journal of Applied Polymer Science*, MAR 5, vol. 111, no. 5, pp. 2574-2583 ISSN 0021-8995. DOI 10.1002/app.29288.

REALINHO, V., et al, 2010. Characterization of Highly Oriented Organoclay/Poly(Methyl Methacrylate) Moulded Nanocomposites. *Journal of Nanoscience and Nanotechnology*, FEB, vol. 10, no. 2, pp. 1304-1312 ISSN 1533-4880. DOI 10.1166/jnn.2010.1832.



REALINHO, V., ANTUNES, M., MARTINEZ, A.B. and VELASCO, J.I., 2011. Influence of Nanoclay Concentration on the CO₂ Diffusion and Physical Properties of PMMA Montmorillonite Microcellular Foams. *Industrial & Engineering Chemistry Research*, DEC 21, vol. 50, no. 24, pp. 13819-13824 ISSN 0888-5885. DOI 10.1021/ie201532h.

REYES-ALCARAZ, A., TZANOV, T. and GARRIGA, P., 2008. Stabilization of Membrane Proteins: The Case of G-Protein-Coupled Receptors. *Engineering in Life Sciences*, JUN, vol. 8, no. 3, pp. 207-217 ISSN 1618-0240. DOI 10.1002/elsc.200700059.

REYES-ALCARAZ, A., MARTINEZ-ARCHUNDIA, M., RAMON, E. and GARRIGA, P., 2011. Salt Effects on the Conformational Stability of the Visual G-Protein-Coupled Receptor Rhodopsin. *Biophysical Journal*, DEC 7, vol. 101, no. 11, pp. 2798-2806 ISSN 0006-3495. DOI 10.1016/j.bpj.2011.09.049.

RIBA RUIZ, J., GARCIA ESPINOSA, A. and ROMERAL, L., 2010. A Computer Model for Teaching the Dynamic Behavior of AC Contactors. *Ieee Transactions on Education*, MAY, vol. 53, no. 2, pp. 248-256 ISSN 0018-9359. DOI 10.1109/TE.2009.2014153.

RIBA RUIZ, J., GARCIA ESPINOSA, A., ROMERAL, L. and CUSIDO, J., 2010. Demagnetization Diagnosis in Permanent Magnet Synchronous Motors Under Non-Stationary Speed Conditions. *Electric Power Systems Research*, OCT, vol. 80, no. 10, pp. 1277-1285 ISSN 0378-7796. DOI 10.1016/j.epsr.2010.04.010.

RIBA RUIZ, J., ROSERO, J.A., GARCIA ESPINOSA, A. and ROMERAL, L., 2009. Detection of Demagnetization Faults in Permanent-Magnet Synchronous Motors Under Nonstationary Conditions. *IEEE Transactions on Magnetics*, JUL, vol. 45, no. 7, pp. 2961-2969 ISSN 0018-9464. DOI 10.1109/TMAG.2009.2015942.

RICARD, A. and CANAL, C., 2010. Transmission of N Atoms through PP Membranes for Nitrogen Flowing Post Discharge Sterilisation Processes. *Plasma Chemistry and Plasma Processing*, JUN, vol. 30, no. 3, pp. 373-379 ISSN 0272-4324. DOI 10.1007/s11090-010-9222-y.

RIERA-TORRES, M. and GUTIERREZ, M., 2010. Colour Removal of Three Reactive Dyes by UV Light Exposure After Electrochemical Treatment. *Chemical Engineering Journal*, JAN 1, vol. 156, no. 1, pp. 114-120 ISSN 1385-8947. DOI 10.1016/j.cej.2009.10.006.

RIERA-TORRES, M., GUTIERREZ-BOUZAN, C. and CRESPI, M., 2010. Combination of Coagulation-Flocculation and Nanofiltration Techniques for Dye Removal and Water Reuse in Textile Effluents. *Desalination*, MAR, vol. 252, no. 1-3, pp. 53-59 ISSN 0011-9164. DOI 10.1016/j.desal.2009.11.002.

RIERA-TORRES, M., et al, 2011. Influence of Electrochemical Pre-Treatment in Dyeing Wastewater Reuse for Five Reactive Dyes. *Textile Research Journal*, NOV, vol. 81, no. 18, pp. 1926-1939 ISSN 0040-5175. DOI 10.1177/0040517511413316.



RIGOLA, J., ABLANQUE, N., PEREZ-SEGARRA, C.D. and OLIVA, A., 2010. Numerical Simulation and Experimental Validation of Internal Heat Exchanger Influence on CO₂ Trans-Critical Cycle Performance. *International Journal of Refrigeration-Revue Internationale Du Froid*, JUN, vol. 33, no. 4, pp. 664-674 ISSN 0140-7007. DOI 10.1016/j.ijrefrig.2009.12.030.

RIU-AUMATELL, M., et al, 2011. Characterisation of Volatile Composition of White Salsify (*Tragopogon Porrifolius* L.) by Headspace Solid-Phase Microextraction (HS-SPME) and Simultaneous Distillation-Extraction (SDE) Coupled to GC-MS. *Food Chemistry*, NOV 15, vol. 129, no. 2, pp. 557-564 ISSN 0308-8146. DOI 10.1016/j.foodchem.2011.04.061.

RIVA, A., ALGABA, I. and PEPIO, M., 2007. Action of a Finishing Product in the Improvement of the Ultraviolet Protection Provided by Modal and Modal Sun Fabrics: Modelisation of the Effect. *Fibers and Polymers*, APR, vol. 8, no. 2, pp. 205-211 ISSN 1229-9197. DOI 10.1007/BF02875793.

RIVA, A., ALGABA, I. and PRIETO, R., 2007. Optical Brightening Agents Based on Stilbene and Distyryl Biphenyl for the Improvement of Ultraviolet Protection of Cotton Fabrics. *Tekstil*, JAN, vol. 56, no. 1, pp. 7-13 ISSN 0492-5882.

RIVA, A., ALGABA, I., PEPIO, M. and PRIETO, R., 2009. Modeling the Effects of Color on the UV Protection Provided by Cotton Woven Fabrics Dyed with Azo Dyes. *Industrial & Engineering Chemistry Research*, NOV 18, vol. 48, no. 22, pp. 9817-9822 ISSN 0888-5885. DOI 10.1021/ie9006694.

RIVA, A., ALGABA, I. and PRIETO, R., 2007. Optical Brightening Agents Based on Stilbene and Distyryl Biphenyl for the Improvement of Ultraviolet Protection of Cotton Fabrics. *Tekstil*, JAN, vol. 56, no. 1, pp. 1-6 ISSN 0492-5882.

RIVA, M.C., RIBO, J., GIBERT, C. and ALANON, P., 2007. Acute Toxicity of Leather Processing Effluents on *Vibrio Fischeri* and *Brachydanio Rerio*. *Afinidad*, MAR-APR, vol. 64, no. 528, pp. 182-188 ISSN 0001-9704.

ROBLES, E., et al, 2010. Grid Sequence Detector Based on a Stationary Reference Frame. *Epe Journal*, APR-JUN, vol. 20, no. 2, pp. 57-63 ISSN 0939-8368.

ROBLES, E., et al, 2010. Variable-Frequency Grid-Sequence Detector Based on a Quasi-Ideal Low-Pass Filter Stage and a Phase-Locked Loop. *Ieee Transactions on Power Electronics*, OCT, vol. 25, no. 10, pp. 2552-2563 ISSN 0885-8993. DOI 10.1109/TPEL.2010.2050492.

ROBLES, E., et al, 2011. Frequency-Adaptive Stationary-Reference-Frame Grid Voltage Sequence Detector for Distributed Generation Systems. *IEEE Transactions on Industrial Electronics*, SEP, vol. 58, no. 9, pp. 4275-4287 ISSN 0278-0046. DOI 10.1109/TIE.2010.2098352.

ROCAERT, J., et al, 2011. Intelligent Connection Agent for Three-Phase Grid-Connected Microgrids. *Ieee Transactions on Power Electronics*, OCT, vol. 26, no. 10, pp. 2993-3005 ISSN 0885-8993. DOI 10.1109/TPEL.2011.2116126.



ROCASALBAS, G., et al, 2009. A New Approach to Produce Plant Antioxidants-Loaded Chitosan for Medical Applications. *Abstracts of Papers of the American Chemical Society*, MAR 22, vol. 237 ISSN 0065-7727.

RODRIGUEZ, C., MASPOCH, M.L. and BELZUNCE, F.J., 2009. Fracture Characterization of Ductile Polymers through Methods Based on Load Separation. *Polymer Testing*, APR, vol. 28, no. 2, pp. 204-208 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2008.12.004.

RODRIGUEZ, F.J., et al, 2011. Observation of Speckle Pattern Formation in Transparent Nonlinear Random Media. *Optics Letters*, APR 15, vol. 36, no. 8, pp. 1347-1349 ISSN 0146-9592.

RODRIGUEZ, I., CASTRO, J., PEREZ-SEGARRA, C.D. and OLIVA, A., 2009. Unsteady Numerical Simulation of the Cooling Process of Vertical Storage Tanks Under Laminar Natural Convection. *International Journal of Thermal Sciences*, APR, vol. 48, no. 4, pp. 708-721 ISSN 1290-0729. DOI 10.1016/j.ijthermalsci.2008.06.002.

RODRIGUEZ, I., PEREZ-SEGARRA, C.D., OLIVA, A. and JARAMILLO, J.E., 2009. Numerical Study of the Transient Cooling Process of Water Storage Tanks Under Heat Losses to the Environment. *Numerical Heat Transfer Part A-Applications*, vol. 55, no. 12, pp. 1051-1074 ISSN 1040-7782. DOI 10.1080/10407780903014418.

RODRIGUEZ, I., et al, 2011. Direct Numerical Simulation of the Flow Over a Sphere at $Re=3700$. *Journal of Fluid Mechanics*, JUL, vol. 679, pp. 263-287 ISSN 0022-1120. DOI 10.1017/jfm.2011.136.

RODRIGUEZ, P., et al, 2009. Current Harmonics Cancellation in Three-Phase Four-Wire Systems by using a Four-Branch Star Filtering Topology. *Ieee Transactions on Power Electronics*, AUG, vol. 24, no. 8, pp. 1939-1950 ISSN 0885-8993. DOI 10.1109/TPEL.2009.2017810.

RODRIGUEZ, P., et al, 2011. Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions. *IEEE Transactions on Industrial Electronics*, JAN, vol. 58, no. 1, pp. 127-138 ISSN 0278-0046. DOI 10.1109/TIE.2010.2042420.

RODRIGUEZ, P., et al, 2007. Decoupled Double Synchronous Reference Frame PLL for Power Converters Control (Vol 22, Pg 584, 2007). *Ieee Transactions on Power Electronics*, MAY, vol. 22, no. 3, pp. 1078-1078 ISSN 0885-8993. DOI 10.1109/TPEL.2007.894351.

RODRIGUEZ, P., et al, 2007. Decoupled Double Synchronous Reference Frame PLL for Power Converters Control. *Ieee Transactions on Power Electronics*, MAR, vol. 22, no. 2, pp. 584-592 ISSN 0885-8993. DOI 10.1109/TPEL.2006.890000.

RODRIGUEZ, P., et al, 2007. Flexible Active Power Control of Distributed Power Generation Systems during Grid Faults. *IEEE Transactions on Industrial Electronics*, OCT, vol. 54, no. 5, pp. 2583-2592 ISSN 0278-0046. DOI 10.1109/TIE.2007.899914.



RODRIGUEZ, P., et al, 2009. Reactive Power Control for Improving Wind Turbine System Behavior Under Grid Faults. *Ieee Transactions on Power Electronics*, JUL, vol. 24, no. 7, pp. 1798-1801 ISSN 0885-8993. DOI 10.1109/TPEL.2009.2014650.

RODRIGUEZ-DONAIRE, S., CASI, E. and CARBONELL, X., 2009. MANGO SA: Reinventing the Fashion Sector. *Universia Business Review*, no. 23, pp. 26-39 ISSN 1698-5117.

RODRIGUEZ-DONAIRE, S. and LAGARES, J., 2009. Metalquimia SA: Socializing and Systematizing the Innovation. *Universia Business Review*, no. 23, pp. 40-55 ISSN 1698-5117.

ROLAN, A., CORCOLES, F. and PEDRA, J., 2011. Doubly Fed Induction Generator Subject to Symmetrical Voltage Sags. *IEEE Transactions on Energy Conversion*, DEC, vol. 26, no. 4, pp. 1219-1229 ISSN 0885-8969. DOI 10.1109/TEC.2011.2160397.

ROMAN, F., MONTSERRAT, S. and HUTCHINSON, J.M., 2007. On the Effect of Montmorillonite in the Curing Reaction of Epoxy Nanocomposites. *Journal of Thermal Analysis and Calorimetry*, JAN, vol. 87, no. 1, pp. 113-118 ISSN 1388-6150. DOI 10.1007/s10973-006-7830-9.

ROMERAL, L., et al, 2010. Electrical Monitoring for Fault Detection in an EMA. *IEEE Aerospace and Electronic Systems Magazine*, MAR, vol. 25, no. 3, pp. 4-9 ISSN 0885-8985. DOI 10.1109/MAES.2010.5463950.

ROMERO, N., ROVELLA, A. and VILAMAJÓ, F., 2009. Perturbations of the Quadratic Family of Order Two: The Boundary of Hyperbolicity. *Nonlinearity*, MAY, vol. 22, no. 5, pp. 1145-1165 ISSN 0951-7715. DOI 10.1088/0951-7715/22/5/010.

ROMERO-FERNANDEZ, W., et al, 2011. Altered Trafficking and Unfolded Protein Response Induction as a Result of M-3 Muscarinic Receptor Impaired N-Glycosylation. *Glycobiology*, DEC, vol. 21, no. 12, pp. 1663-1672 ISSN 0959-6658. DOI 10.1093/glycob/cwr105.

ROMERO-FERNANDEZ, W., GARRIGA, P. and BORROTO-ESCUELA, D.O., 2011. Overproduction of Human M-3 Muscarinic Acetylcholine Receptor: An Approach Toward Structural Studies. *Biotechnology Progress*, MAY-JUN, vol. 27, no. 3, pp. 838-845 ISSN 8756-7938. DOI 10.1002/btpr.615.

ROMEU, J., GENESCA, M., PAMIES, T. and JIMENEZ, S., 2011. Street Categorization for the Estimation of Day Levels using Short-Term Measurements. *Applied Acoustics*, JUL, vol. 72, no. 8, pp. 569-577 ISSN 0003-682X. DOI 10.1016/j.apacoust.2010.09.012.

ROMEU, J., PAMIES, T., GENESCA, M. and CARDONA, J., 2007. Local Active Noise Attenuation in a Small Piston Engine Aircraft Cabin. *Noise Control Engineering Journal*, NOV-DEC, vol. 55, no. 6, pp. 516-525 ISSN 0736-2501. DOI 10.3397/1.2821356.

RONCERO, M.B. and VIDAL, T., 2007. Optimization of Ozone Treatment in the TCF Bleaching of Paper Pulps. *Afinidad*, MAY-JUN, vol. 64, no. 529, pp. 420-428 ISSN 0001-9704.



ROPPO, V., et al, 2011. Harmonic Generation and Energy Transport in Dielectric and Semiconductors at Visible and UV Wavelengths: The Case of GaP. *Journal of the Optical Society of America B-Optical Physics*, DEC, vol. 28, no. 12, pp. 2888-2894 ISSN 0740-3224.

ROPPO, V., CIRACI, C., COJOCARU, C. and SCALORA, M., 2010. Second Harmonic Generation in a Generic Negative Index Medium. *Journal of the Optical Society of America B-Optical Physics*, AUG, vol. 27, no. 8, pp. 1671-1679 ISSN 0740-3224.

ROPPO, V., et al, 2010. Phase Locked Second and Third Harmonic Localization in Semiconductor Cavities. *Journal of Optoelectronics and Advanced Materials*, JAN, vol. 12, no. 1, pp. 57-62 ISSN 1454-4164.

ROPPO, V., et al, 2009. Field Localization and Enhancement of Phase-Locked Second- and Third-Order Harmonic Generation in Absorbing Semiconductor Cavities. *Physical Review a*, OCT, vol. 80, no. 4, pp. 043834 ISSN 1050-2947. DOI 10.1103/PhysRevA.80.043834.

ROPPO, V., et al, 2010. Cavity Behavior of Second and Third Harmonic Inhomogeneous Solutions of Maxwell's Equations. *Waves in Random and Complex Media*, vol. 20, no. 2, pp. 319-331 ISSN 1745-5030. DOI 10.1080/17455030.2010.484842.

ROPPO, V., et al, 2011. Third Harmonic Generation at 223 Nm in the Metallic Regime of GaP. *Applied Physics Letters*, MAR 14, vol. 98, no. 11, pp. 111105 ISSN 0003-6951. DOI 10.1063/1.3565240.

ROPPO, V., et al, 2011. Enhanced Efficiency of the Second Harmonic Inhomogeneous Component in an Opaque Cavity. *Optics Letters*, MAY 15, vol. 36, no. 10, pp. 1809-1811 ISSN 0146-9592.

ROPPO, V., et al, 2010. The Role of Ferroelectric Domain Structure in Second Harmonic Generation in Random Quadratic Media. *Optics Express*, MAR 1, vol. 18, no. 5, pp. 4012-4022 ISSN 1094-4087.

ROPPO, V., et al, 2008. Planar Second-Harmonic Generation with Noncollinear Pumps in Disordered Media. *Optics Express*, SEP 1, vol. 16, no. 18, pp. 14192-14199 ISSN 1094-4087. DOI 10.1364/OE.16.014192.

ROSAS-CASALS, M. and SOLE, R., 2011. Analysis of Major Failures in Europe's Power Grid. *International Journal of Electrical Power & Energy Systems*, MAR, vol. 33, no. 3, pp. 805-808 ISSN 0142-0615. DOI 10.1016/j.ijepes.2010.11.014.

ROSAS-CASALS, M., VALVERDE, S. and SOLE, R.V., 2007. Topological Vulnerability of the European Power Grid Under Errors and Attacks. *International Journal of Bifurcation and Chaos*, JUL, vol. 17, no. 7, pp. 2465-2475 ISSN 0218-1274. DOI 10.1142/S0218127407018531.

ROSETO, J.A., ROMERAL, L., ORTEGA, J.A. and ROSETO, E., 2009. Short-Circuit Detection by Means of Empirical Mode Decomposition and Wigner-Ville Distribution for PMSM Running Under Dynamic Condition. *IEEE Transactions on Industrial Electronics*, NOV, vol. 56, no. 11, pp. 4534-4547 ISSN 0278-0046. DOI 10.1109/TIE.2008.2011580.



ROSSA-SIERRA, A., SANCHEZ-SOTO, M., ILLESCAS, S. and MASPOCH, M.L., 2009. Study of the Interface Behaviour between MABS/TPU Bi-Layer Structures obtained through Over Moulding. *Materials & Design*, DEC, vol. 30, no. 10, pp. 3979-3988 ISSN 0261-3069. DOI 10.1016/j.matdes.2009.05.037.

ROSSO, O.A. and MASOLLER, C., 2009. Detecting and Quantifying Temporal Correlations in Stochastic Resonance Via Information Theory Measures. *European Physical Journal B*, MAY, vol. 69, no. 1, pp. 37-43 ISSN 1434-6028. DOI 10.1140/epjb/e2009-00146-y.

ROSSO, O.A. and MASOLLER, C., 2009. Detecting and Quantifying Stochastic and Coherence Resonances Via Information-Theory Complexity Measurements. *Physical Review E*, APR, vol. 79, no. 4, pp. 040106 ISSN 1539-3755. DOI 10.1103/PhysRevE.79.040106.

RUBIDO, N., et al, 2011. Language Organization and Temporal Correlations in the Spiking Activity of an Excitable Laser: Experiments and Model Comparison. *Physical Review E*, AUG 9, vol. 84, no. 2, pp. 026202 ISSN 1539-3755. DOI 10.1103/PhysRevE.84.026202.

RUBIO, L., et al, 2010. Skin Delivery of Caffeine Contained in Biofunctional Textiles. *Textile Research Journal*, JUL, vol. 80, no. 12, pp. 1214-1221 ISSN 0040-5175. DOI 10.1177/0040517509358798.

RUBIO-MASSEGU, J. and MANOSA, V., 2007. On the Enveloping Method and the Existence of Global Lyapunov Functions. *Journal of Difference Equations and Applications*, vol. 13, no. 11, pp. 1029-1035 ISSN 1023-6198. DOI 10.1080/10236190701403895.

RUBIO-MASSEGU, J. and MANOSA, V., 2007. Normal Forms for Rational Difference Equations with Applications to the Global Periodicity Problem. *Journal of Mathematical Analysis and Applications*, AUG 15, vol. 332, no. 2, pp. 896-918 ISSN 0022-247X. DOI 10.1016/j.jmaa.2006.10.061.

RUE, P., PONS, A.J., DOMEDEL-PUIG, N. and GARCIA-OJALVO, J., 2010. Relaxation Dynamics and Frequency Response of a Noisy Cell Signaling Network. *Chaos*, DEC, vol. 20, no. 4, pp. 045110 ISSN 1054-1500. DOI 10.1063/1.3524908.

RUE, P. and GARCIA-OJALVO, J., 2011. Gene Circuit Designs for Noisy Excitable Dynamics. *Mathematical Biosciences*, MAY, vol. 231, no. 1, pp. 90-97 ISSN 0025-5564. DOI 10.1016/j.mbs.2011.02.013.

RUE, P., SUEEL, G.M. and GARCIA-OJALVO, J., 2011. Optimizing Periodicity and Polymodality in Noise-Induced Genetic Oscillators. *Physical Review E*, JUN 6, vol. 83, no. 6, pp. 061904 ISSN 1539-3755. DOI 10.1103/PhysRevE.83.061904.

RUE, P., VILLA-FREIXA, J. and BURRAGE, K., 2010. Simulation Methods with Extended Stability for Stiff Biochemical Kinetics. *Bmc Systems Biology*, AUG 11, vol. 4, pp. 110 ISSN 1752-0509. DOI 10.1186/1752-0509-4-110.



RUIZ, P., MACANAS, J., MUNOZ, M. and MURAVIEV, D.N., 2011. Intermatrix Synthesis: Easy Technique Permitting Preparation of Polymer-Stabilized Nanoparticles with Desired Composition and Structure. *Nanoscale Research Letters*, APR 15, vol. 6, pp. 343 ISSN 1931-7573. DOI 10.1186/1556-276X-6-343.

RUIZ, P., MUNOZ, M., MACANAS, J. and MURAVIEV, D.N., 2011. Intermatrix Synthesis of Polymer-Stabilized PGM@Cu Core-Shell Nanoparticles with Enhanced Electrocatalytic Properties. *Reactive & Functional Polymers*, AUG, vol. 71, no. 8, pp. 916-924 ISSN 1381-5148. DOI 10.1016/j.reactfunctpolym.2011.05.009.

RUIZ, P., MUNOZ, M., MACANAS, J. and MURAVIEV, D.N., 2010. Intermatrix Synthesis of Polymer-Copper Nanocomposites with Tunable Parameters by using Copper Comproportionation Reaction. *Chemistry of Materials*, DEC 28, vol. 22, no. 24, pp. 6616-6623 ISSN 0897-4756. DOI 10.1021/cm102122c.

SAEEDIFARD, M., IRAVANI, R. and POU, J., 2009. Control and DC-Capacitor Voltage Balancing of a Space Vector-Modulated Five-Level STATCOM. *Iet Power Electronics*, MAY, vol. 2, no. 3, pp. 203-215 ISSN 1755-4535. DOI 10.1049/iet-pel.2008.0021.

SAEEDIFARD, M., IRAVANI, R. and POU, J., 2009. A Space Vector Modulation Strategy for a Back-to-Back Five-Level HVDC Converter System. *IEEE Transactions on Industrial Electronics*, FEB, vol. 56, no. 2, pp. 452-466 ISSN 0278-0046. DOI 10.1109/TIE.2008.2008360.

SAEEDIFARD, M., IRAVANI, R. and POU, J., 2007. Analysis and Control of Dc-Capacitor-Voltage-Drift Phenomenon of a Passive Front-End Five-Level Converter. *IEEE Transactions on Industrial Electronics*, DEC, vol. 54, no. 6, pp. 3255-3266 ISSN 0278-0046. DOI 10.1109/TIE.2007.905967.

SAGUES, F., SANCHO, J.M. and GARCIA-OJALVO, J., 2007. Spatiotemporal Order Out of Noise. *Reviews of Modern Physics*, JUL-SEP, vol. 79, no. 3, pp. 829-882 ISSN 0034-6861. DOI 10.1103/RevModPhys.79.829.

SAINZ, L., JOSE MESAS, J., TEODORESCU, R. and RODRIGUEZ, P., 2010. Deterministic and Stochastic Study of Wind Farm Harmonic Currents. *IEEE Transactions on Energy Conversion*, DEC, vol. 25, no. 4, pp. 1071-1080 ISSN 0885-8969. DOI 10.1109/TEC.2010.2045379.

SALAZAR, A., RODRIGUEZ, J., SEGOVIA, A. and MARTINEZ, A.B., 2010. Influence of the Notch Sharpening Technique on the Fracture Toughness of Bulk Ethylene-Propylene Block Copolymers. *Polymer Testing*, FEB, vol. 29, no. 1, pp. 49-59 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2009.09.004.

SALAZAR, A., RODRIGUEZ, J., SEGOVIA, A. and MARTINEZ, A.B., 2010. Relevance of the Femtolaser Notch Sharpening to the Fracture of Ethylene-Propylene Block Copolymers. *European Polymer Journal*, SEP, vol. 46, no. 9, pp. 1896-1907 ISSN 0014-3057. DOI 10.1016/j.eurpolymj.2010.06.012.



SALAZAR, A., SEGOVIA, A., MARTINEZ, A.B. and RODRIGUEZ, J., 2010. The Role of Notching Damage on the Fracture Parameters of Ethylene-Propylene Block Copolymers. *Polymer Testing*, OCT, vol. 29, no. 7, pp. 824-831 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2010.07.003.

SALAZAR, L. and CRESPI, M., 2010. Evaluation of Kinetic Coefficients using Membrane Bioreactor and Active Sludge Process Treating Textile Wastewater. *Desalination and Water Treatment*, JAN, vol. 13, no. 1-3, pp. 471-478 ISSN 1944-3994. DOI 10.5004/dwt.2010.1044.

SANCHEZ-MORCILLO, V.J., et al, 2009. Propagation of Sound Beams Behind Sonic Crystals. *Physical Review B*, OCT, vol. 80, no. 13, pp. 134303 ISSN 1098-0121. DOI 10.1103/PhysRevB.80.134303.

SANCHEZ-PENA, R.S., RACHINAYANI, P.K. and BALDELLI, D., 2008. New Results on Linear Time Invariant and Parameter Varying Static Output Feedback. *Journal of Guidance Control and Dynamics*, SEP-OCT, vol. 31, no. 5, pp. 1230-1238 ISSN 0731-5090. DOI 10.2514/1.34871.

SANCHEZ-SOTO, M., et al, 2007. Curing FTIR Study and Mechanical Characterization of Glass Bead Filled Trifunctional Epoxy Composites. *Composites Science and Technology*, JUL, vol. 67, no. 9, pp. 1974-1985 ISSN 0266-3538. DOI 10.1016/j.compscitech.2006.10.006.

SANCHEZ-SOTO, M., SCHIRALDI, D.A. and ILLESCAS, S., 2009. Study of the Morphology and Properties of Melt-Mixed Polycarbonate-POSS Nanocomposites. *European Polymer Journal*, FEB, vol. 45, no. 2, pp. 341-352 ISSN 0014-3057. DOI 10.1016/j.eurpolymj.2008.10.026.

SANCHEZ-SOTO, M., et al, 2010. Morphology and Thermomechanical Properties of Melt-Mixed Polyoxymethylene/Polyhedral Oligomeric Silsesquioxane Nanocomposites. *Macromolecular Materials and Engineering*, SEP 14, vol. 295, no. 9, pp. 846-858 ISSN 1438-7492. DOI 10.1002/mame.201000064.

SANCRISTOBAL, B., SANCHO, J.M. and GARCIA-OJALVO, J., 2010. Phase-Response Approach to Firing-Rate Selectivity in Neurons with Subthreshold Oscillations. *Physical Review E*, OCT 12, vol. 82, no. 4, pp. 041908 ISSN 1539-3755. DOI 10.1103/PhysRevE.82.041908.

SANCRISTOBAL, B., SANCHO, J.M. and GARCIA-OJALVO, J., 2010. Resonant Propagation of Spike Trains in Delay-Coupled Neural Subthreshold Oscillators. *European Physical Journal-Special Topics*, SEP, vol. 187, no. 1, pp. 189-197 ISSN 1951-6355. DOI 10.1140/epjst/e2010-01283-2.

SANTANA, O.O., et al, 2010. Fracture Behaviour of De-Aged Poly(Lactic Acid) Assessed by Essential Work of Fracture and J-Integral Methods. *Polymer Testing*, DEC, vol. 29, no. 8, pp. 984-990 ISSN 0142-9418. DOI 10.1016/j.polymertesting.2010.09.004.

SANTIAGO MUNOZ-AGUILAR, R., DORIA-CEREZO, A., FOSSAS, E. and CARDONER PAPAL, R., 2011. Sliding Mode Control of a Stand-Alone Wound Rotor Synchronous Generator. *IEEE Transactions on Industrial Electronics*, OCT, vol. 58, no. 10, pp. 4888-4897 ISSN 0278-0046. DOI 10.1109/TIE.2011.2116754.



SARRATE, R., AGUILAR, J. and NEJJARI, F., 2007. Event-Based Process Monitoring. *Engineering Applications of Artificial Intelligence*, DEC, vol. 20, no. 8, pp. 1152-1162 ISSN 0952-1976. DOI 10.1016/j.engappai.2007.02.008.

SCALORA, M., et al, 2010. Second- and Third-Harmonic Generation in Metal-Based Structures. *Physical Review a*, OCT 18, vol. 82, no. 4, pp. 043828 ISSN 1050-2947. DOI 10.1103/PhysRevA.82.043828.

SCHIRALDI, D.A., et al, 2011. Biobased, Biodegradable polymer/clay Aerogels. *Abstracts of Papers of the American Chemical Society*, AUG 28, vol. 242 ISSN 0065-7727.

SELLARES, J., DIEGO, J.A. and BELANA, J., 2010. A Study of the Glass Transition in the Amorphous Interlamellar Phase of Highly Crystallized Poly(Ethylene Terephthalate). *Journal of Physics D-Applied Physics*, SEP 15, vol. 43, no. 36, pp. 365402 ISSN 0022-3727. DOI 10.1088/0022-3727/43/36/365402.

SEN, S., GARCIA-OJALVO, J. and ELOWITZ, M.B., 2011. Dynamical Consequences of Bandpass Feedback Loops in a Bacterial Phosphorelay. *Plos One*, SEP 29, vol. 6, no. 9, pp. e25102 ISSN 1932-6203. DOI 10.1371/journal.pone.0025102.

SENDER PALACIOS, M.J., et al, 2011. Ophthalmic Disease in Diabetes Mellitus: Management from Primary Health Care. *Atencion Primaria*, JAN, vol. 43, no. 1, pp. 41-48 ISSN 0212-6567. DOI 10.1016/j.aprim.2010.01.005.

SENTURK, O.S., et al, 2011. Converter Structure-Based Power Loss and Static Thermal Modeling of the Press-Pack IGBT Three-Level ANPC VSC Applied to Multi-MW Wind Turbines. *IEEE Transactions on Industry Applications*, NOV-DEC, vol. 47, no. 6, pp. 2505-2515 ISSN 0093-9994. DOI 10.1109/TIA.2011.2168557.

SERRAT, C. and BIEGERT, J., 2011. Enhancement of HHG Yield. *Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment*, OCT 11, vol. 653, no. 1, pp. 134-136 ISSN 0168-9002. DOI 10.1016/j.nima.2010.12.204.

SERRAT, C., LOIKO, Y., DE LACRUZ, R. and CELA, J.M., 2007. Coherent Stark Nonlinear Spectroscopy with Chirped Pulses. *Physical Review a*, JAN, vol. 75, no. 1, pp. 013819 ISSN 1050-2947. DOI 10.1103/PhysRevA.75.013819.

SERRAT, C., 2011. Control of High-Order Harmonics for Attoscience using a Static-Electric-Field Pattern. *Physical Review a*, DEC 27, vol. 84, no. 6, pp. 061803 ISSN 1050-2947. DOI 10.1103/PhysRevA.84.061803.

SHENG, Y., et al, 2011. Tailoring Cerenkov Second-Harmonic Generation in Bulk Nonlinear Photonic Crystal. *Optics Letters*, JUL 1, vol. 36, no. 13, pp. 2593-2595 ISSN 0146-9592.

SHENG, Y., et al, 2011. Third-Harmonic Generation Via Nonlinear Raman-Nath Diffraction in Nonlinear Photonic Crystal. *Optics Letters*, AUG 15, vol. 36, no. 16, pp. 3266-3268 ISSN 0146-9592.



SHENG, Y., et al, 2011. Cerenkov Third-Harmonic Generation in $\text{Chi}((2))$ Nonlinear Photonic Crystal. *Applied Physics Letters*, JUN 13, vol. 98, no. 24, pp. 241114 ISSN 0003-6951. DOI 10.1063/1.3602312.

SKIRTENKO, N., TZANOV, T., GEDANKEN, A. and RAHIMIPOUR, S., 2010. One-Step Preparation of Multifunctional Chitosan Microspheres by a Simple Sonochemical Method. *Chemistry-a European Journal*, vol. 16, no. 2, pp. 562-567 ISSN 0947-6539. DOI 10.1002/chem.200901464.

SOLE, R.V., ROSAS-CASALS, M., COROMINAS-MURTRA, B. and VALVERDE, S., 2008. Robustness of the European Power Grids Under Intentional Attack. *Physical Review E*, FEB, vol. 77, no. 2, pp. 026102 ISSN 1539-3755. DOI 10.1103/PhysRevE.77.026102.

SOLIVERES, E., et al, 2011. Simultaneous Self-Collimation of Fundamental and Second-Harmonic in Sonic Crystals. *Applied Physics Letters*, OCT 10, vol. 99, no. 15, pp. 151905 ISSN 0003-6951. DOI 10.1063/1.3643497.

SOLIVERES, E., et al, 2009. Self Collimation of Ultrasound in a Three-Dimensional Sonic Crystal. *Applied Physics Letters*, APR 20, vol. 94, no. 16, pp. 164101 ISSN 0003-6951. DOI 10.1063/1.3104861.

SPRINZAK, D., et al, 2010. Cis-Interactions between Notch and Delta Generate Mutually Exclusive Signalling States. *Nature*, MAY 6, vol. 465, no. 7294, pp. 86-U95 ISSN 0028-0836. DOI 10.1038/nature08959.

STALIUNAS, K., HERRERO, R. and VILASECA, R., 2009. Subdiffraction and Spatial Filtering due to Periodic Spatial Modulation of the Gain-Loss Profile. *Physical Review a*, JUL, vol. 80, no. 1, pp. 013821 ISSN 1050-2947. DOI 10.1103/PhysRevA.80.013821.

STALIUNAS, K. and LONGHI, S., 2008. Subdiffractive Solitons of Bose-Einstein Condensates in Time-Dependent Optical Lattices. *Physical Review a*, SEP, vol. 78, no. 3, pp. 033606 ISSN 1050-2947. DOI 10.1103/PhysRevA.78.033606.

STALIUNAS, K., PECKUS, M. and SIRUTKAITIS, V., 2007. Sub- and Superdiffractive Resonators with Intracavity Photonic Crystals. *Physical Review a*, NOV, vol. 76, no. 5, pp. 051803 ISSN 1050-2947. DOI 10.1103/PhysRevA.76.051803.

STALIUNAS, K., 2011. Removal of Excitations of Bose-Einstein Condensates by Space- and Time-Modulated Potentials. *Physical Review a*, JUL 29, vol. 84, no. 1, pp. 013626 ISSN 1050-2947. DOI 10.1103/PhysRevA.84.013626.

STALIUNAS, K., DE VALCARCEL, G.J., BULDU, J.M. and GARCIA-OJALVO, J., 2009. Noise-Induced Phase Bistability Via Stochastic Rocking. *Physical Review Letters*, JAN 9, vol. 102, no. 1, pp. 010601 ISSN 0031-9007. DOI 10.1103/PhysRevLett.102.010601.

STALIUNAS, K., DE VALCARCEL, G.J. and ROLDAN, E., 2009. Bistable Phase Locking in a Laser with Injected Signal. *Physical Review a*, AUG, vol. 80, no. 2, pp. 025801 ISSN 1050-2947. DOI 10.1103/PhysRevA.80.025801.



STALIUNAS, K., EGOROV, O., KIVSHAR, Y.S. and LEDERER, F., 2008. Bloch Cavity Solitons in Nonlinear Resonators with Intracavity Photonic Crystals. *Physical Review Letters*, OCT 10, vol. 101, no. 15, pp. 153903 ISSN 0031-9007. DOI 10.1103/PhysRevLett.101.153903.

STALIUNAS, K., HERRERO, R. and DE VALCARCEL, G.J., 2009. Diffraction Management and Sub-Diffractive Solitons in Periodically Driven Bose-Einstein Condensates. *Physica D-Nonlinear Phenomena*, JUL 15, vol. 238, no. 15, pp. 1326-1337 ISSN 0167-2789. DOI 10.1016/j.physd.2008.07.022.

STALIUNAS, K., HERRERO, R. and DE VALCARCEL, G.J., 2007. Arresting Soliton Collapse in Two-Dimensional Nonlinear Schrodinger Systems Via Spatiotemporal Modulation of the External Potential. *Physical Review a*, JAN, vol. 75, no. 1, pp. 011604 ISSN 1050-2947. DOI 10.1103/PhysRevA.75.011604.

STALIUNAS, K., et al, 2007. Efficient Parametric Amplification of Narrow Beams in Photonic Crystals. *Optics Letters*, JUL 15, vol. 32, no. 14, pp. 1992-1994 ISSN 0146-9592. DOI 10.1364/OL.32.001992.

STALIUNAS, K. and SANCHEZ-MORCILLO, V.J., 2009. Spatial Filtering of Light by Chirped Photonic Crystals. *Physical Review a*, MAY, vol. 79, no. 5, pp. 053807 ISSN 1050-2947. DOI 10.1103/PhysRevA.79.053807.

SUEEL, G.M., et al, 2007. Tunability and Noise Dependence in Differentiation Dynamics. *Science*, MAR 23, vol. 315, no. 5819, pp. 1716-1719 ISSN 0036-8075. DOI 10.1126/science.1137455.

SUNOL, J.J., et al, 2007. Thermal Degradation of Lyocell, Modal and Viscose Fibers Under Aggressive Conditions. *Journal of Thermal Analysis and Calorimetry*, JAN, vol. 87, no. 1, pp. 41-44 ISSN 1388-6150. DOI 10.1007/s10973-006-7801-1.

SUSANA TORRE, M. and MASOLLER, C., 2010. Dynamical Hysteresis and Thermal Effects in Vertical-Cavity Surface-Emitting Lasers. *IEEE Journal of Quantum Electronics*, DEC, vol. 46, no. 12, pp. 1788-1794 ISSN 0018-9197. DOI 10.1109/JQE.2010.2046139.

TAPIAS, M., RALLO, M. and ESCOFET, J., 2011. Automatic Measurements of Partial Cover Factors and Yarn Diameters in Fabrics using Image Processing. *Textile Research Journal*, JAN, vol. 81, no. 2, pp. 173-186 ISSN 0040-5175. DOI 10.1177/0040517510380107.

TAPIAS, M., et al, 2010. Objective Measure of Woven Fabric's Cover Factor by Image Processing. *Textile Research Journal*, JAN, vol. 80, no. 1, pp. 35-44 ISSN 0040-5175. DOI 10.1177/0040517509104471.

TERRADO, M., et al, 2007. Use of Chemometric and Geostatistical Methods to Evaluate Pesticide Pollution in the Irrigation and Drainage Channels of the Ebro River Delta during the Rice-Growing Season. *Analytical and Bioanalytical Chemistry*, FEB, vol. 387, no. 4, pp. 1479-1488 ISSN 1618-2642. DOI 10.1007/s00216-006-1038-5.



TIANA-ALSINA, J., GARCIA-LOPEZ, J.H., TORRENT, M.C. and GARCIA-OJALVO, J., 2011. Dual-Lag Synchronization between Coupled Chaotic Lasers due to Path-Delay Interference. *Chaos*, DEC, vol. 21, no. 4, pp. 043102 ISSN 1054-1500. DOI 10.1063/1.3644392.

TIANA-ALSINA, J., et al, 2010. Quantifying the Statistical Complexity of Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback. *Physical Review a*, JUL 19, vol. 82, no. 1, pp. 013819 ISSN 1050-2947. DOI 10.1103/PhysRevA.82.013819.

TIANA-ALSINA, J., BULDU, J.M., TORRENT, M.C. and GARCIA-OJALVO, J., 2010. Quantifying Stochasticity in the Dynamics of Delay-Coupled Semiconductor Lasers Via Forbidden Patterns. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, JAN 28, vol. 368, no. 1911, pp. 367-377 ISSN 1364-503X. DOI 10.1098/rsta.2009.0241.

TIMBUS, A., et al, 2009. Evaluation of Current Controllers for Distributed Power Generation Systems. *Ieee Transactions on Power Electronics*, MAR-APR, vol. 24, no. 3-4, pp. 654-664 ISSN 0885-8993. DOI 10.1109/TPEL.2009.2012527.

TINGAUD-SEQUEIRA, A., et al, 2008. Structural and Functional Divergence of Two Fish Aquaporin-1 Water Channels Following Teleost-Specific Gene Duplication. *Bmc Evolutionary Biology*, SEP 23, vol. 8, pp. 259 ISSN 1471-2148. DOI 10.1186/1471-2148-8-259.

TOLEDO, D., et al, 2011. Molecular Mechanisms of Disease for Mutations at Gly-90 in Rhodopsin. *Journal of Biological Chemistry*, NOV 18, vol. 286, no. 46, pp. 39993-40001 ISSN 0021-9258. DOI 10.1074/jbc.M110.201517.

TOPALOVIC, T., et al, 2007. Analysis of the Effects of Catalytic Bleaching on Cotton. *Cellulose*, AUG, vol. 14, no. 4, pp. 385-400 ISSN 0969-0239. DOI 10.1007/s10570-007-9120-5.

TOPALOVIC, T., et al, 2007. XPS and Contact Angle Study of Cotton Surface Oxidation by Catalytic Bleaching. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, MAR 15, vol. 296, no. 1-3, pp. 76-85 ISSN 0927-7757. DOI 10.1016/j.colsurfa.2006.09.026.

TORNIL-SIN, S., THEILLIOL, D., PONSART, J.C. and PUIG, V., 2010. Admissible Model Matching using D-R-Regions Fault Accommodation and Robustness Against FDD Inaccuracies. *International Journal of Adaptive Control and Signal Processing*, NOV, vol. 24, no. 11, pp. 927-943 ISSN 0890-6327. DOI 10.1002/acs.1167.

TORRADES, F., ANTONIO GARCIA-HORTAL, J. and NUNEZ, L., 2008. Fenton and Photo-Fenton Oxidation of a Model Mixture of Dyes - overall Kinetic Analysis. *Coloration Technology*, vol. 124, no. 6, pp. 370-374 ISSN 1472-3581. DOI 10.1111/j.1478-4408.2008.00165.x.

TORRADES, F., SAIZ, S. and ANTONIO GARCIA-HORTAL, J., 2011. Using Central Composite Experimental Design to Optimize the Degradation of Black Liquor by Fenton Reagent. *Desalination*, MAR 1, vol. 268, no. 1-3, pp. 97-102 ISSN 0011-9164. DOI 10.1016/j.desal.2010.10.003.



TORRADES, F., SAIZ, S., GARCIA-HORTAL, A. and GARCIA-MONTANO, J., 2008. Degradation of Wheat Straw Black Liquor by Fenton and Photo-Fenton Processes. *Environmental Engineering Science*, JAN-FEB, vol. 25, no. 1, pp. 92-98 ISSN 1092-8758. DOI 10.1089/ees.2007.0021.

TORRE, M.S. and MASOLLER, C., 2009. Polarization-Resolved Modulation Response of Single-Transverse-Mode Vertical-Cavity Surface-Emitting Lasers. *IEEE Journal of Quantum Electronics*, JAN-FEB, vol. 45, no. 1-2, pp. 206-212 ISSN 0018-9197. DOI 10.1109/JQE.2008.2002669.

TORRE, M.S., GAVRIELIDES, A. and MASOLLER, C., 2011. Numerical Characterization of Transient Polarization Square-Wave Switching in Two Orthogonally Coupled VCSELs. *Optics Express*, OCT 10, vol. 19, no. 21, pp. 20269-20278 ISSN 1094-4087.

TORRENT-BURGUES, J. and GUAUS, E., 2007. Effect of Tartaric Acid in the Electrodeposition of Zinc. *Journal of Applied Electrochemistry*, MAY, vol. 37, no. 5, pp. 643-651 ISSN 0021-891X. DOI 10.1007/s10800-007-9296-2.

TORRENT-BURGUES, J., ONCINS, G. and SANZ, F., 2008. Study of Mixed Langmuir and Langmuir-Blodgett Films of Dissimilar Components by AFM and Force Spectroscopy. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, MAY 15, vol. 321, no. 1-3, pp. 70-75 ISSN 0927-7757. DOI 10.1016/j.colsurfa.2007.12.051.

TORRENTS, A., BOFILL, F. and CARDONA, G., 2011. Suitability of School Textbooks for 5 to 7 Year Old Children with Colour Vision Deficiencies. *Learning and Individual Differences*, OCT, vol. 21, no. 5, pp. 607-612 ISSN 1041-6080. DOI 10.1016/j.lindif.2011.07.004.

TRIAS, F.X., GOROBETS, A., SORIA, M. and OLIVA, A., 2010. Direct Numerical Simulation of a Differentially Heated Cavity of Aspect Ratio 4 with Rayleigh Numbers Up to $10(11)$ - Part I: Numerical Methods and Time-Averaged Flow. *International Journal of Heat and Mass Transfer*, JAN 31, vol. 53, no. 4, pp. 665-673 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2009.10.026.

TRIAS, F.X., GOROBETS, A., SORIA, M. and OLIVA, A., 2010. Direct Numerical Simulation of a Differentially Heated Cavity of Aspect Ratio 4 with Rayleigh Numbers Up to $10(11)$ - Part II: Heat Transfer and Flow Dynamics. *International Journal of Heat and Mass Transfer*, JAN 31, vol. 53, no. 4, pp. 674-683 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2009.10.027.

TRIAS, F.X. and LEHMKUHL, O., 2011. A Self-Adaptive Strategy for the Time Integration of Navier-Stokes Equations. *Numerical Heat Transfer Part B-Fundamentals*, vol. 60, no. 2, pp. 116-134 ISSN 1040-7790. DOI 10.1080/10407790.2011.594398.

TRIAS, F.X. and VERSTAPPEN, R.W.C.P., 2011. On the Construction of Discrete Filters for Symmetry-Preserving Regularization Models. *Computers & Fluids*, JAN, vol. 40, no. 1, pp. 139-148 ISSN 0045-7930. DOI 10.1016/j.compfluid.2010.08.015.

TRIAS, F.X., et al, 2010. Parameter-Free Symmetry-Preserving Regularization Modeling of a Turbulent Differentially Heated Cavity. *Computers & Fluids*, DEC, vol. 39, no. 10, pp. 1815-1831 ISSN 0045-7930. DOI 10.1016/j.compfluid.2010.06.016.



TRULL, J., et al, 2011. Formation of Collimated Beams Behind the Woodpile Photonic Crystal. *Physical Review a*, SEP 9, vol. 84, no. 3, pp. 033812 ISSN 1050-2947. DOI 10.1103/PhysRevA.84.033812.

TRULL, J., et al, 2009. Characterization of Femtosecond Pulses Via Transverse Second-Harmonic Generation in Random Nonlinear Media. *Applied Physics B-Lasers and Optics*, JUN, vol. 95, no. 3, pp. 609-615 ISSN 0946-2171. DOI 10.1007/s00340-009-3449-4.

TRULL, J., et al, 2007. Second-Harmonic Parametric Scattering in Ferroelectric Crystals with Disordered Nonlinear Domain Structures. *Optics Express*, NOV 26, vol. 15, no. 24, pp. 15868-15877 ISSN 1094-4087. DOI 10.1364/OE.15.015868.

TURCOTTE, M., GARCIA-OJALVO, J. and SUEEL, G.M., 2008. A Genetic Timer through Noise-Induced Stabilization of an Unstable State. *Proceedings of the National Academy of Sciences of the United States of America*, OCT 14, vol. 105, no. 41, pp. 15732-15737 ISSN 0027-8424. DOI 10.1073/pnas.0806349105.

TZANOV, T., MUNTEANU, F. and CAVACO-PAULO, A., 2007. CELL 130-Isomerases for Functional Modification of Fibrous Polymers. *Abstracts of Papers of the American Chemical Society*, MAR 25, vol. 233, pp. 674-674 ISSN 0065-7727.

ULLNER, E., BUCETA, J., DIEZ-NOGUERA, A. and GARCIA-OJALVO, J., 2009. Noise-Induced Coherence in Multicellular Circadian Clocks. *Biophysical Journal*, MAY 6, vol. 96, no. 9, pp. 3573-3581 ISSN 0006-3495. DOI 10.1016/j.bpj.2009.02.031.

ULLNER, E., et al, 2008. Multistability of Synthetic Genetic Networks with Repressive Cell-to-Cell Communication. *Physical Review E*, SEP, vol. 78, no. 3, pp. 031904 ISSN 1539-3755. DOI 10.1103/PhysRevE.78.031904.

ULLNER, E., ZAIKIN, A., VOLKOV, E.I. and GARCIA-OJALVO, J., 2007. Multistability and Clustering in a Population of Synthetic Genetic Oscillators Via Phase-Repulsive Cell-to-Cell Communication. *Physical Review Letters*, OCT 5, vol. 99, no. 14, pp. 148103 ISSN 0031-9007. DOI 10.1103/PhysRevLett.99.148103.

URRESTY, J., RIBA, J., ROMERAL, L. and GARCIA, A., 2010. A Simple 2-D Finite-Element Geometry for Analyzing Surface-Mounted Synchronous Machines with Skewed Rotor Magnets. *IEEE Transactions on Magnetics*, NOV, vol. 46, no. 11, pp. 3948-3954 ISSN 0018-9464. DOI 10.1109/TMAG.2010.2062529.

VALDERRAMA, C., et al, 2011. Solar Energy Storage by Salinity Gradient Solar Pond: Pilot Plant Construction and Gradient Control. *Desalination*, SEP 15, vol. 279, no. 1-3, pp. 445-450 ISSN 0011-9164. DOI 10.1016/j.desal.2011.06.035.

VALLS, C., et al, 2010. Comparing the Efficiency of the Laccase-NHA and Laccase-HBT Systems in Eucalyptus Pulp Bleaching. *Biochemical Engineering Journal*, MAY 15, vol. 49, no. 3, pp. 401-407 ISSN 1369-703X. DOI 10.1016/j.bej.2010.02.002.



VALLS, C., et al, 2011. Performance of New and Commercial Xylanases for ECF and TCF Bleaching of Eucalyptus Kraft Pulp. *Wood Science and Technology*, AUG, vol. 45, no. 3, pp. 433-448 ISSN 0043-7719. DOI 10.1007/s00226-010-0340-8.

VALLS, C., et al, 2010. New Xylanases to Obtain Modified Eucalypt Fibres with High-Cellulose Content. *Bioresource Technology*, OCT, vol. 101, no. 19, pp. 7439-7445 ISSN 0960-8524. DOI 10.1016/j.biortech.2010.04.085.

VALLS, C., et al, 2009. Influence of Operation Conditions on Laccase-Mediator Removal of Sterols from Eucalypt Pulp. *Process Biochemistry*, SEP, vol. 44, no. 9, pp. 1032-1038 ISSN 1359-5113. DOI 10.1016/j.procbio.2009.05.002.

VALLS, C. and RONCERO, M.B., 2009. Using both Xylanase and Laccase Enzymes for Pulp Bleaching. *Bioresource Technology*, MAR, vol. 100, no. 6, pp. 2032-2039 ISSN 0960-8524. DOI 10.1016/j.biortech.2008.10.009.

VALLS, C., VIDAL, T. and BLANCA RONCERO, M., 2010. Boosting the Effect of a Laccase-Mediator System by using a Xylanase Stage in Pulp Bleaching. *Journal of Hazardous Materials*, MAY 15, vol. 177, no. 1-3, pp. 586-592 ISSN 0304-3894. DOI 10.1016/j.jhazmat.2009.12.073.

VALLS, C., VIDAL, T. and BLANCA RONCERO, M., 2010. The Role of Xylanases and Laccases on Hexenuronic Acid and Lignin Removal. *Process Biochemistry*, MAR, vol. 45, no. 3, pp. 425-430 ISSN 1359-5113. DOI 10.1016/j.procbio.2009.10.015.

VALLS, C., et al, 2010. Obtaining Low-HexA-Content Cellulose from Eucalypt Fibres: Which Glycosil Hydrolase Family is More Efficient?. *Carbohydrate Polymers*, MAR 25, vol. 80, no. 1, pp. 154-160 ISSN 0144-8617. DOI 10.1016/j.carbpol.2009.11.006.

VAN DER VELDE, O.A., et al, 2010. Multi-Instrumental Observations of a Positive Gigantic Jet Produced by a Winter Thunderstorm in Europe. *Journal of Geophysical Research-Atmospheres*, DEC 16, vol. 115, pp. D24301 ISSN 0148-0227. DOI 10.1029/2010JD014442.

VAN DER VELDE, O.A., et al, 2010. Spatial and Temporal Evolution of Horizontally Extensive Lightning Discharges Associated with Sprite-Producing Positive Cloud-to-Ground Flashes in Northeastern Spain. *Journal of Geophysical Research-Space Physics*, SEP 28, vol. 115, pp. A00E56 ISSN 0148-0227. DOI 10.1029/2009JA014773.

VARESANO, A., FERRER, A.I. and TONIN, C., 2007. Electrical Performance and Stability of Polypyrrole Coated PET Fibres. *E-Polymers*, FEB 20, pp. 022 ISSN 1618-7229.

VASQUEZ, J.C., et al, 2009. Adaptive Droop Control Applied to Voltage-Source Inverters Operating in Grid-Connected and Islanded Modes. *IEEE Transactions on Industrial Electronics*, OCT, vol. 56, no. 10, pp. 4088-4096 ISSN 0278-0046. DOI 10.1109/TIE.2009.2027921.

VEGA, F., ALBA-BUENO, F. and MILLAN, M.S., 2011. Energy Distribution between Distance and Near Images in Apodized Diffractive Multifocal Intraocular Lenses. *Investigative Ophthalmology & Visual Science*, JUL, vol. 52, no. 8, pp. 5695-5701 ISSN 0146-0404. DOI 10.1167/jovs.10-7123.



VEGA, F., MILLAN, M.S. and WELLS, B., 2010. Spherical Lens Versus Aspheric Artificial Cornea for Intraocular Lens Testing. *Optics Letters*, MAY 15, vol. 35, no. 10, pp. 1539-1541 ISSN 0146-9592.

VELASCO, J.I., et al, 2007. Foaming Behaviour and Cellular Structure of LDPE/hectorite Nanocomposites. *Polymer*, MAR 23, vol. 48, no. 7, pp. 2098-2108 ISSN 0032-3861. DOI 10.1016/j.polymer.2007.02.008.

VELASCO, J.I., et al, 2007. Foams Based on Low Density polyethylene/hectorite Nanocomposites: Thermal Stability and Thermomechanical Properties. *Journal of Applied Polymer Science*, AUG 5, vol. 105, no. 3, pp. 1658-1667 ISSN 0021-8995. DOI 10.1002/app.26254.

VELEZ DE MENDIZABAL, N., et al, 2011. Modeling the Effector - Regulatory T Cell Cross-Regulation Reveals the Intrinsic Character of Relapses in Multiple Sclerosis. *Bmc Systems Biology*, JUL 15, vol. 5, pp. 114 ISSN 1752-0509. DOI 10.1186/1752-0509-5-114.

VICHI, S., et al, 2007. Comparative Study of Different Extraction Techniques for the Analysis of Virgin Olive Oil Aroma. *Food Chemistry*, vol. 105, no. 3, pp. 1171-1178 ISSN 0308-8146. DOI 10.1016/j.foodchem.2007.02.018.

VICHI, S., et al, 2007. HS-SPME Coupled to GC/MS for Quality Control of Juniperus Communis L. Berries used for Gin Aromatization. *Food Chemistry*, vol. 105, no. 4, pp. 1748-1754 ISSN 0308-8146. DOI 10.1016/j.foodchem.2007.03.026.

VIDAL, X., et al, 2007. Coincidence Detection of Inharmonic Pulses in a Nonlinear Crystal. *Physical Review E*, JAN, vol. 75, no. 1, pp. 012902 ISSN 1539-3755. DOI 10.1103/PhysRevE.75.012902.

VIDAL, X., et al, 2007. Modified Triphenylmethane Dye for the Efficient Nonlinear Generation of Light in Nanostructured Materials. *Applied Physics Letters*, AUG 20, vol. 91, no. 8, pp. 081116 ISSN 0003-6951. DOI 10.1063/1.2773934.

VILA RAMIREZ, N., SANCHEZ-SOTO, M. and ILLESCAS, S., 2011. Enhancement of POM Thermooxidation Resistance through POSS Nanoparticles. *Polymer Composites*, OCT, vol. 32, no. 10, pp. 1584-1592 ISSN 0272-8397. DOI 10.1002/pc.21191.

VILA, C., et al, 2011. Use of Thermogravimetric Analysis to Monitor the Effects of Natural Laccase Mediators on Flax Pulp. *Bioresource Technology*, JUN, vol. 102, no. 11, pp. 6554-6561 ISSN 0960-8524. DOI 10.1016/j.biortech.2011.03.068.

VILASECA, M., et al, 2010. Biological Treatment of a Textile Effluent After Electrochemical Oxidation of Reactive Dyes. *Water Environment Research*, FEB, vol. 82, no. 2, pp. 176-182 ISSN 1061-4303. DOI 10.2175/106143009X447902.



VILASECA, M., et al, 2009. Optical Quality of Foldable Monofocal Intraocular Lenses before and After Injection Comparative Evaluation using a Double-Pass System. *Journal of Cataract and Refractive Surgery*, AUG, vol. 35, no. 8, pp. 1415-1423 ISSN 0886-3350. DOI 10.1016/j.jcrs.2009.03.022.

VILASECA, M., et al, 2008. Characterization of the Human Iris Spectral Reflectance with a Multispectral Imaging System. *Applied Optics*, OCT 20, vol. 47, no. 30, pp. 5622-5630 ISSN 0003-6935. DOI 10.1364/AO.47.005622.

VILASECA, M., et al, 2010. Effect of Laser in Situ Keratomileusis on Vision Analyzed using Preoperative Optical Quality. *Journal of Cataract and Refractive Surgery*, NOV, vol. 36, no. 11, pp. 1945-1953 ISSN 0886-3350. DOI 10.1016/j.jcrs.2010.05.029.

VILASECA, M., et al, 2009. Optical Quality One Month After Verisyse and Veriflex Phakic IOL Implantation and Zeiss MEL 80 LASIK for Myopia from 5.00 to 16.50 Diopters. *Journal of Refractive Surgery*, AUG, vol. 25, no. 8, pp. 689-698 ISSN 1081-597X. DOI 10.3928/1081597X-20090707-03.

VILASECA, M., et al, 2010. Intra- and Intersession Repeatability of a Double-Pass Instrument. *Optometry and Vision Science*, SEP, vol. 87, no. 9, pp. 675-681 ISSN 1040-5488. DOI 10.1097/OPX.0b013e3181ea1ad3.

VINCENTI, M.A., DE CEGLIA, D., ROPPO, V. and SCALORA, M., 2011. Harmonic Generation in Metallic, GaAs-Filled Nanocavities in the Enhanced Transmission Regime at Visible and UV Wavelengths. *Optics Express*, JAN 31, vol. 19, no. 3, pp. 2064-2078 ISSN 1094-4087. DOI 10.1364/OE.19.002064.

VIRTO, L., CARBONELL, M., CASTILLA, R. and GAMEZ-MONTERO, P.J., 2009. Heating of Saturated Porous Media in Practice: Several Causes of Local Thermal Non-Equilibrium. *International Journal of Heat and Mass Transfer*, NOV, vol. 52, no. 23-24, pp. 5412-5422 ISSN 0017-9310. DOI 10.1016/j.ijheatmasstransfer.2009.07.003.

VUONG, L.T., KOZYREFF, G., BETANCUR, R. and MARTORELL, J., 2009. Cavity-Controlled Radiative Recombination of Excitons in Thin-Film Solar Cells. *Applied Physics Letters*, DEC 7, vol. 95, no. 23, pp. 233106 ISSN 0003-6951. DOI 10.1063/1.3262954.

WANG, W., et al, 2009. Third-Harmonic Generation Via Broadband Cascading in Disordered Quadratic Nonlinear Media. *Optics Express*, OCT 26, vol. 17, no. 22, pp. 20117-20123 ISSN 1094-4087.

WANG, W., et al, 2010. Second- and Third-Harmonic Parametric Scattering in Disordered Quadratic Media. *Journal of Physics B-Atomic Molecular and Optical Physics*, NOV 14, vol. 43, no. 21, pp. 215404 ISSN 0953-4075. DOI 10.1088/0953-4075/43/21/215404.

ZABIT, U., et al, 2010. Adaptive Self-Mixing Vibrometer Based on a Liquid Lens. *Optics Letters*, APR 15, vol. 35, no. 8, pp. 1278-1280 ISSN 0146-9592.



ZAMORA-MUNT, J. and MASOLLER, C., 2010. Numerical Implementation of a VCSEL-Based Stochastic Logic Gate Via Polarization Bistability. *Optics Express*, AUG 2, vol. 18, no. 16, pp. 16418-16429 ISSN 1094-4087.

ZAMORA-MUNT, J. and MASOLLER, C., 2008. Generation of Optical Pulses in VCSELs Below the Static Threshold using Asymmetric Current Modulation. *Optics Express*, OCT 27, vol. 16, no. 22, pp. 17848-17853 ISSN 1094-4087. DOI 10.1364/OE.16.017848.

ZAMORA-MUNT, J., MASOLLER, C. and GARCIA-OJALVO, J., 2010. Transient Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback. *Physical Review a*, MAR, vol. 81, no. 3, pp. 033820 ISSN 1050-2947. DOI 10.1103/PhysRevA.81.033820.

ZAMORA-MUNT, J., MASOLLER, C., GARCIA-OJALVO, J. and ROY, R., 2010. Crowd Synchrony and Quorum Sensing in Delay-Coupled Lasers. *Physical Review Letters*, DEC 22, vol. 105, no. 26, pp. 264101 ISSN 0031-9007. DOI 10.1103/PhysRevLett.105.264101.

ZARAGOZA, J., et al, 2011. Study and Experimental Verification of Control Tuning Strategies in a Variable Speed Wind Energy Conversion System. *Renewable Energy*, MAY, vol. 36, no. 5, pp. 1421-1430 ISSN 0960-1481. DOI 10.1016/j.renene.2010.11.002.

ZARAGOZA, J., et al, 2009. A Comprehensive Study of a Hybrid Modulation Technique for the Neutral-Point-Clamped Converter. *IEEE Transactions on Industrial Electronics*, FEB, vol. 56, no. 2, pp. 294-304 ISSN 0278-0046. DOI 10.1109/TIE.2008.2005132.

ZARAGOZA, J., et al, 2009. Voltage-Balance Compensator for a Carrier-Based Modulation in the Neutral-Point-Clamped Converter. *IEEE Transactions on Industrial Electronics*, FEB, vol. 56, no. 2, pp. 305-314 ISSN 0278-0046. DOI 10.1109/TIE.2008.2009195.

ZARAGOZA, J., et al, 2007. Hybrid Modulation Technique for the Neutral-Point-Clamped Converter. *Przegląd Elektrotechniczny*, vol. 83, no. 10, pp. 48-53 ISSN 0033-2097.

ZELATI, M.C., PATA, V. and QUINTANILLA, R., 2010. Regular Global Attractors of Type III Thermoelastic Extensible Beams. *Chinese Annals of Mathematics Series B*, SEP, vol. 31, no. 5, pp. 619-630 ISSN 0252-9599. DOI 10.1007/s11401-010-0605-4.



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